

**LAND APPLICATION SITE**

**S.G. STURT**

**DWSGS 1 - 21**

**DINWIDDIE COUNTY**

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 10-24-19 between Margaret B. Sturt Life Estate referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>66-29</u>	<u>66-37A</u>		
<u>86-29A</u>	<u>66-37</u>		
<u>86-39</u>	<u>66-36</u>		
<u>66-38</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>Margaret B. Sturt Life Estate</u>	Mailing Address <u>523 Tidewater Trail</u>	Landowner Signature <u>Margaret B. Sturt</u>
By: <u>Margaret B. Sturt</u>	<u>Loretto, VA 22509</u>	
Title* <u>owner</u>	Phone No. <u>804-478-4213</u>	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc County or City: Dinwiddie  
Landowner: Margaret B. Sturt Life Estate

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Margaret B. Sturt  
Landowner's Signature

10/24/19  
Date

William R. Avery  
Operator's Signature

23219 Shippings Road  
McKenney, VA 23072  
804-478-4853  
mailing address & phone

10/19/19  
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 12/20/19 between MARGARET B. STURT referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in DINWIDDIE, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>66 29</u>	<u>66-38</u>		
	<u>66-37A</u>		
<u>86-29A</u>	<u>66-37</u>		
<u>86-39</u>	<u>66-36</u>		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.

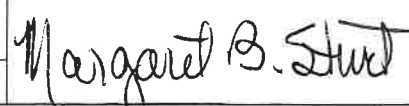
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.


<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>MARGARET B. STURT</u>	Mailing Address <u>523 TIDEWATER TRAIL</u> <u>LORETTO VA 22509</u>	Landowner Signature 
By: <u>OWNER</u>	Phone No. <u>804-478-4213</u>	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: DINWIDDIE

Landowner: MARGARET B. STURT

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

✓ Margaret B. Sturt  
Landowner's Signature

12/20/19  
Date

✓ [Signature]  
Operator's Signature

8518 Gann Rd  
McKenney, VA  
23872  
mailing address & phone  
804-712-4936

12/26/19  
Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

## PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2-18-20 between SAMUEL G. STUART, IV referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

### Landowner:

The Landowner is the owner of record of the real property located in DINWIDDIE, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>66-29</u>	<u>17811 OLD WHITE OAK RD</u>	<u>66-38</u>	
<u>86-39</u>	<u>"HARBY FARM"</u>	<u>66-37A</u>	
		<u>66-37</u>	
<u>86-29A</u>		<u>66-36</u>	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.

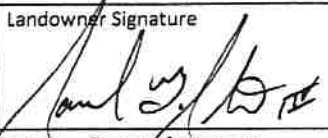
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids      Water treatment residuals      Food processing waste      Other industrial sludges  
☒ Yes    ☐ No      ☒ Yes    ☐ No      ☒ Yes    ☐ No      ☒ Yes    ☐ No

Printed name <u>SAMUEL G. STUART, IV</u>	Mailing Address <u>3197 TRIDELTA TRAIL</u> <u>LORETO VA 22509</u>	Landowner Signature 
By:	Phone No. <u>804-241-4434</u>	
Title*		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

### Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: DINWIDDIE COUNTY

Landowner: SAMUEL G. STURT, III

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Samuel G. Sturt, III  
Landowner's Signature

February 18, 2020  
Date

Operator's Signature

mailing address & phone

Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

## FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2-18-2020 between MARGARET GALLAGHER referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

#### Landowner:

The Landowner is the owner of record of the real property located in DINWIDDIE, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>66-29</u>	<u>17811 OLD WHITE OAK ROAD</u>	<u>66-38</u>	
<u>86-39</u>	<u>"HARBY FARM"</u>	<u>66-37A</u>	
		<u>66-37</u>	
<u>86-29A</u>		<u>66-36</u>	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.


In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.


Class B biosolids      Water treatment residuals      Food processing waste      Other industrial sludges  
☒ Yes    ☐ No      ☒ Yes    ☐ No      ☒ Yes    ☐ No      ☒ Yes    ☐ No

Printed name <u>Margaret Gallagher</u>	Mailing Address <u>12020 Kingswood Blvd. Fburg, VA 22408</u>	Landowner Signature 
By: <u>Margaret Gallagher</u>	Phone No. <u>540-642-2197</u>	
Title*		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

#### Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	



Permittee: Recyc Systems, Inc

County or City: DINWIDDIE COUNTY

Landowner: MARGARET GALLAGHER

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

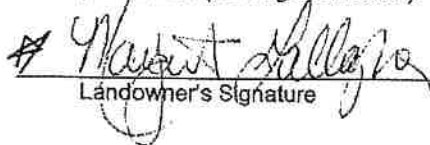
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

  
Landowner's Signature

2/19/2020  
Date

\_\_\_\_\_  
Operator's Signature

\_\_\_\_\_  
mailing address & phone

\_\_\_\_\_  
Date

## Landowner Coordination Form

Signature not required on this page

[illegible]

# FARM DATA SHEET

<b>SITE NAME:</b>	S. G. Sturt	<b>COUNTY:</b>	Dinwiddie
<b>OWNER:</b>	See List Below	<b>OPERATOR:</b>	See List Attached
<b>OWNER'S</b>	See List Below	<b>OPERATOR'S</b>	See List Attached
<b>ADDRESS:</b>		<b>ADDRESS:</b>	
<b>OWNER'S TELEPHONE:</b>	See List Below	<b>OPERATOR'S TELEPHONE:</b>	See List Attached
<b>GENERAL FARM TYPE:</b>	Hay/Pasture/Row Crop	<b>CELL PHONE:</b>	See List Attached
<b># CATTLE:</b>	100	<b>EMAIL:</b>	-
<b>LAGOON or SLURRY:</b>	None	<b>LATITUDE:</b>	F 1-7 37.029 F 8-16 37.028 F 17-21 36.980
<b>TOPO QUAD:</b>	Darvills, Stony Creek, Dewitt	<b>LONGITUDE:</b>	F 1-7 -77.754 F 8-16 -77.763 F 17-21 -77.471
<b>COMMENTS:</b>		<b>METHOD OF DETERMINATION:</b>	Online Maps
Margaret B. Sturt, Life Estate 523 Tidewater Trail Loretto, VA 22509 804-478-4213	Samuel G. Sturt IV 3197 Tidewater Trail Loretto, VA 22509 804-241-4439	Margaret Gallagher 12020 Kingswood Blvd. Fredericksburg, VA 22408 540-642-2197	
<b>The land is now owned by S.G. Sturt's children (S.G. Sturt IV and Margaret Gallagher but Margaret B. Sturt still holds lifetime rights to the land/dwellings).</b>			

BB 81

7-27-20

FARM OPERATOR LIST  
S.G. STURT FARM  
DINWIDDIE COUNTY

---

FIELDS 1-7

William Avery  
23219 Shippings Road  
McKenney, VA 23872  
804-712-3272 (Cell)

FIELDS 8-16

Winfield Harrison  
8518 Gunn Road  
McKenney, VA 23872  
804-712-4936

FIELDS 17-21

Chip Baskerville  
21508 Baskerville Mill Road  
McKenney, VA 23872  
804-691-5267  
[Cbaskerville91@gmail.com](mailto:Cbaskerville91@gmail.com)

# **NEW FIELD CHANGES**

**S.G. STURT**

## **DINWIDDIE COUNTY**

---

**NEW FIELD 1 IS PART OF OLD FIELD 4.**

**NEW FIELD 2 IS PART OF OLD FIELD 4.**

**NEW FIELD 3 IS OLD FIELD 5.**

**NEW FIELD 4 IS PART OF OLD FIELD 6.**

**NEW FIELD 5 IS PART OF OLD FIELD 6.**

**NEW FIELD 6 IS PART OF OLD FIELD 6 AND 7.**

**NEW FIELD 7 IS PART OF OLD FIELD 7.**

**NEW FIELD 8 IS A NEW FIELD.**

**NEW FIELD 9 IS OLD FIELD 1.**

**NEW FIELD 10 IS OLD FIELD 2.**

**NEW FIELD 11, 12, 13, 14 ARE NEW FIELDS.**

**NEW FIELD 15 IS PART OF OLD FIELD 3.**

**NEW FIELD 16 IS PART OF OLD FIELD 3.**

**NEW FIELDS 17, 18, 19, 20, 21 ARE NEW FIELDS.**

# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWSGS 1N	3.5	-	-	-	-	CU 13	66-38	T 581 F 8
DWSGS 2N	3.8	-	-	-	-	CU 13	66-38	T 581 F 7
DWSGS 3N	6.4	16A Nov.-May	-	-	-	CU 13	66-38	T 581 F 6
DWSGS 4N	3.7	-	-	-	-	CU 13	66-38	T 581 F 4
DWSGS 5N	7.3	9B Jan.-Apr.	-	-	-	CU 13	66-38	T 581 F 2
DWSGS 6	13.7	16A Nov.-May	-	-	-	CU 13	66-38	T 581 F 1, 3
DWSGS 7	23.2	16A Nov.-May	-	-	-	CU 13	66-38	T 581 F 1, 9
DWSGS 8	6.8	-	-	-	-	CU 13	66-29	T 474 F 1, 2
DWSGS 9	10.2	-	-	-	-	CU 13	66-29	T 474 F 5
DWSGS 10	13.0	-	-	-	-	CU 13	66-29	T 474 F 3, 4, 6, 10

3-2-21

DWSGS 11	7.7	-	-	-	-	-	T 474 F 6	66-29	CU 13	-	66-29	T 474 F 8
DWSGS 12	10.1	-	-	-	-	-	T 474 F 8	66-29	CU 13	-	66-29	T 474 F 8
DWSGS 13	6.1	-	-	-	-	-	T 474 F 8	66-29	CU 13	-	66-29	T 474 F 8
DWSGS 14	8.6	16A Nov.-May	-	-	-	-	T 474 F 7, 9, 10	66-29	CU 13	-	66-29	T 474 F 12
DWSGS 15	6.6	-	-	-	-	-	T 474 F 12	66-29	CU 13	-	66-29	T 474 F 12
DWSGS 16	6.7	-	-	-	-	-	T 474 F 12	66-29	CU 13	-	66-29	T 474 F 12
DWSGS 17	3.4	12B Dec.-Mar.	-	-	-	-	T None F None	86-39	CU 25	-	86-39	T None F None
DWSGS 18	13.5	12B Dec.-Mar.	-	-	-	-	T None F None	86-39	CU 25	-	86-39	T None F None
DWSGS 19	3.4	12B Dec.-Mar. 12C Dec.-Mar.	-	-	-	-	T None F None	86-29A	CU 25	-	86-29A	T None F None
DWSGS 20	27.4	12B Dec.-Mar. 12C Dec.-Mar. 15B Dec.-Apr. 16A Nov.-May 17A Nov.-Apr.	-	-	-	-	T None F None	86-39	CU 25	-	86-39	T None F None
DWSGS 21	21.9	12B Dec.-Mar. 17A Nov.-Apr.	-	-	-	-	T None F None	86-39	CU 25	-	86-39	T None F None
TOTAL ACRES IN SITE	207.0											

3-2-21

THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet**  
**(Fall, 2020-Winter, 2022)**  
**S G Sturt**  
**Planner: John Doe**

Tract: 474

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2/DWSGS 8(N)	7/7	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
5/DWSGS 9(N)	10/10	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
3, 4, 6, 10/DWSGS 10(N)	13/13	2020	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
6/DWSGS 11(N)	8/8	2020	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
8/DWSGS 12(N)	10/10	2020	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
8/DWSGS 13(N)	6/6	2020	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
7, 9, 10/DWSGS 14(N)	9/9	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
12/DWSGS 15(N)	7/7	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
12/DWSGS 16(N)	7/7	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:



Tract: 581

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
8/DWSGS 1(N)	4/4	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
7/DWSGS 2(N)	4/4	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
6/DWSGS 3(N)	6/6	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
4/DWSGS 4(N)	4/4	2020	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
2/DWSGS 5(N)	7/7	2020	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
1, 3/DWSGS 6(N)	14/14	2020	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
1, 9/DWSGS 7(N)	23/23	2020	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: None Location: Dinwiddie  
 (N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
None/DWSGS 17(N)	3/3	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
None/DWSGS 18(N)	14/14	2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2021	*** *** **	--- -- --									
None/DWSGS 19(N)	3/3	2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2021	*** *** **	--- -- --									
None/DWSGS 20(N)	27/27	2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2021	*** *** **	--- -- --									
None/DWSGS 21(N)	22/22	2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
		2021	*** *** **	--- -- --									

Commercial Application Methods:  
 br - Broadcast ba - Banded sd - Sidedress  
 Notes:

**Soil Test Summary**

<b>Tract</b>	<b>Field</b>	<b>Acre</b>	<b>Date</b>	<b>P2O5</b>	<b>K2O</b>	<b>Lab</b>	<b>Soil pH</b>	<b>Lime Date</b>	<b>rec. lime tons/Ac</b>
474	DWSGS 8	7	[No Test]						
474	DWSGS 9	10	[No Test]						
474	DWSGS 10	13	[No Test]						
474	DWSGS 11	8	[No Test]						
474	DWSGS 12	10	[No Test]						
474	DWSGS 13	6	[No Test]						
474	DWSGS 14	9	[No Test]						
474	DWSGS 15	7	[No Test]						
474	DWSGS 16	7	[No Test]						
581	DWSGS 1	4	[No Test]						
581	DWSGS 2	4	[No Test]						
581	DWSGS 3	6	[No Test]						
581	DWSGS 4	4	[No Test]						
581	DWSGS 5	7	[No Test]						
581	DWSGS 6	14	[No Test]						
581	DWSGS 7	23	[No Test]						
None	DWSGS 17	3	[No Test]						
None	DWSGS 18	14	[No Test]						

None	DWSGS 19	3	[No Test]
None	DWSGS 20	27	[No Test]
None	DWSGS 21	22	[No Test]

### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
474	474/1, 2	DWSGS 8	7	Cecil	IVa	II	III	II	
	474/5	DWSGS 9	10	Appling	IVa	II	III	III	
	474/3, 4, 6,	DWSGS 10	13	Cecil	IVa	II	III	III	
	474/6	DWSGS 11	8	Cecil	IVa	II	III	II	
	474/8	DWSGS 12	10	Cecil	IVa	II	III	II	
	474/8	DWSGS 13	6	Cecil	IVa	II	III	II	
	474/7, 9, 10	DWSGS 14	9	Cecil	IVb	III	III	III	
	474/12	DWSGS 15	7	Cecil	IVa	II	III	II	
	474/12	DWSGS 16	7	Cecil	IVa	II	III	II	
581	581/8	DWSGS 1	4	Cecil	IVa	II	III	II	
	581/7	DWSGS 2	4	Cecil	IVa	II	III	II	
	581/6	DWSGS 3	6	Cecil	IVa	III	III	III	
	581/4	DWSGS 4	4	Cecil	IVa	II	III	II	
	581/2	DWSGS 5	7	Cecil	IVa	II	III	II	
	581/1, 3	DWSGS 6	14	Cecil	IVa	II	III	III	
	581/1, 9	DWSGS 7	23	Cecil	IVa	III	III	III	
None	None/None	DWSGS 17	3	Emporia	IIIb	II	III	II	
	None/None	DWSGS 18	14	Mattaponi	IIIb	II	III	II	
	None/None	DWSGS 19	3	Mattaponi	IIIa	II	III	II	
	None/None	DWSGS 20	27	Mattaponi	IIIb	II	III	II	
	None/None	DWSGS 21	22	Mattaponi	IIIa	II	III	II	

### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0

II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

## Farm Summary Report

**Plan:**            **New Plan**            **Fall, 2020 - Winter, 2022**

**Farm Name:**    **S G Sturt**

Location:        Dinwiddie

Specialist:       John Doe

N-based Acres: 207.0

P-based Acres: 0.0

**Tract Name:**    **474**

FSA Number:    474

Location:                    Dinwiddie

**Field Name:**        **DWSGS 8**

Total Acres:    6.80    Usable Acres:    6.80

FSA Number:    1, 2

Tract:            474

Location:                    Dinwiddie

Slope Class:    B            Hydrologic Group:    B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

### ***Conservation Practices:***

Pasture (>75% cover)

### ***P-Index Summary***

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

### ***Soil Test Results:***

DATE	PH	P	K	Lab
[NO TEST]				

### ***Soils:***

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

6	4C	Cecil
94	4B	Cecil

**Field Warnings:**

**Field Name: DWSGS 9**

Total Acres: 10.20 Usable Acres: 10.20

FSA Number: 5

Tract: 474

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
20	4B	Cecil
80	2B	Appling

**Field Warnings:**

**Field Name: DWSGS 10**

Total Acres: 13.00 Usable Acres: 13.00

FSA Number: 3, 4, 6, 10

Tract: 474

Location: Dinwiddie



Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
37	2B	Appling
33	4B	Cecil
31	4C	Cecil

**Field Warnings:**

**Field Name:** DWSGS 11

Total Acres: 7.70 Usable Acres: 7.70

FSA Number: 6

Tract: 474

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
10	4C	Cecil
75	4B	Cecil
15	2B	Appling

**Field Warnings:**

**Field Name:** DWSGS 12

Total Acres: 10.10 Usable Acres: 10.10

FSA Number: 8

Tract: 474

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

**Field Warnings:****Field Name: DWSGS 13**

Total Acres: 6.10 Usable Acres: 6.10

FSA Number: 8

Tract: 474

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (&gt;75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
97	4B Cecil	
3	4C Cecil	

**Field Warnings:****Field Name: DWSGS 14**

Total Acres: 8.60 Usable Acres: 8.60

FSA Number: 7, 9, 10

Tract: 474

Location: Dinwiddie  
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
86	4C	Cecil
14	16A	Roanoke

**Field Warnings:**

**Field Name:** DWSGS 15

Total Acres: 6.60 Usable Acres: 6.60

FSA Number: 12

Tract: 474

Location: Dinwiddie  
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
83	4B	Cecil
17	4C	Cecil

**Field Warnings:**

**Field Name:** DWSGS 16

Total Acres: 6.70 Usable Acres: 6.70

FSA Number: 12

Tract: 474

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

**Field Warnings:**

**Tract Name: 581**

FSA Number: 581

Location: Dinwiddie

**Field Name: DWSGS 1**

Total Acres: 3.50 Usable Acres: 3.50

FSA Number: 8

Tract: 581

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

**Field Warnings:**

**Field Name: DWSGS 2**

Total Acres: 3.80 Usable Acres: 3.80

FSA Number: 7  
Tract: 581  
Location: Dinwiddie  
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

**Field Warnings:**

**Field Name: DWSGS 3**

Total Acres: 6.40 Usable Acres: 6.40

FSA Number: 6

Tract: 581

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
37	4B	Cecil
50	4C	Cecil
13	16A	Roanoke

**Field Warnings:**

**Field Name:** DWSGS 4

Total Acres: 3.70 Usable Acres: 3.70

FSA Number: 4

Tract: 581

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				



**Soils:**

PERCENT	SYMBOL	SOIL SERIES
13	2B	Appling
87	4B	Cecil

**Field Warnings:****Field Name: DWSGS 5**

Total Acres: 7.30 Usable Acres: 7.30

FSA Number: 2

Tract: 581

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (&gt;75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
72	4B	Cecil
16	4C	Cecil
9	2B	Appling
2	9B	Helena

**Field Warnings:**

**Field Name: DWSGS 6**

Total Acres: 13.70 Usable Acres: 13.70

FSA Number: 1, 3

Tract: 581

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (&gt;75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
32	2B	Appling
45	4B	Cecil
21	4C	Cecil
2	16A	Roanoke

**Field Warnings:****Field Name: DWSGS 7**

Total Acres: 23.20 Usable Acres: 23.20

FSA Number: 1, 9

Tract: 581

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
9	16A	Roanoke
18	2B	Appling
1	4B	Cecil
72	4C	Cecil

**Field Warnings:**

**Tract Name:** None

**FSA Number:** None

**Location:** Dinwiddie

**Field Name:** DWSGS 17

**Total Acres:** 3.40 **Usable Acres:** 3.40

**FSA Number:** None

**Tract:** None

**Location:** Dinwiddie

**Slope Class:** B **Hydrologic Group:** C

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
46	5B	Emporia
36	12B	Mattaponi
17	19B	Uchee

**Field Warnings:**

**Field Name:** DWSGS 18

Total Acres: 13.50 Usable Acres: 13.50

FSA Number: None

Tract: None

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
16	19B	Uchee
84	12B	Mattaponi

**Field Warnings:**

**Field Name:** DWSGS 19

Total Acres: 3.40 Usable Acres: 3.40

FSA Number: None

Tract: None

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
91	12B	Mattaponi
9	12C	Mattaponi

**Field Warnings:**

**Field Name:** DWSGS 20

Total Acres: 27.40 Usable Acres: 27.40

FSA Number: None

Tract: None

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
30	12B	Mattaponi
4	12C	Mattaponi
13	15B	Nansemond
14	16A	Roanoke
29	17A	Slagle
10	19B	Uchee

**Field Warnings:**

**Field Name:** DWSGS 21

Total Acres: 21.90 Usable Acres: 21.90

FSA Number: None

Tract: None

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

Lab

[NO TEST]

### Soils:

# Slagle

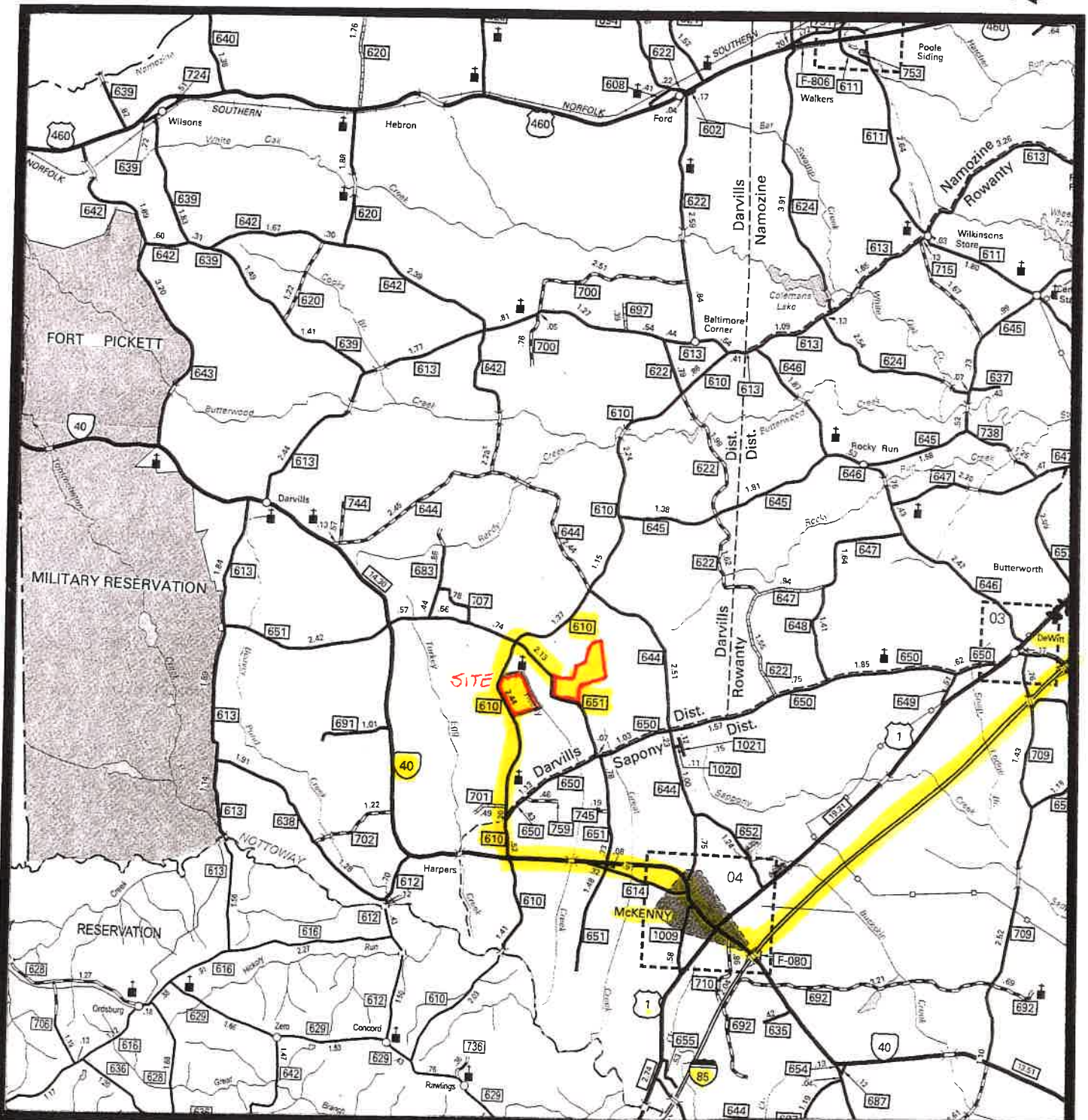
**Field Warnings:**

# MAPS



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 2 miles

DWSGS

7-23-20

Truck Route  
Marked in  
Yellow

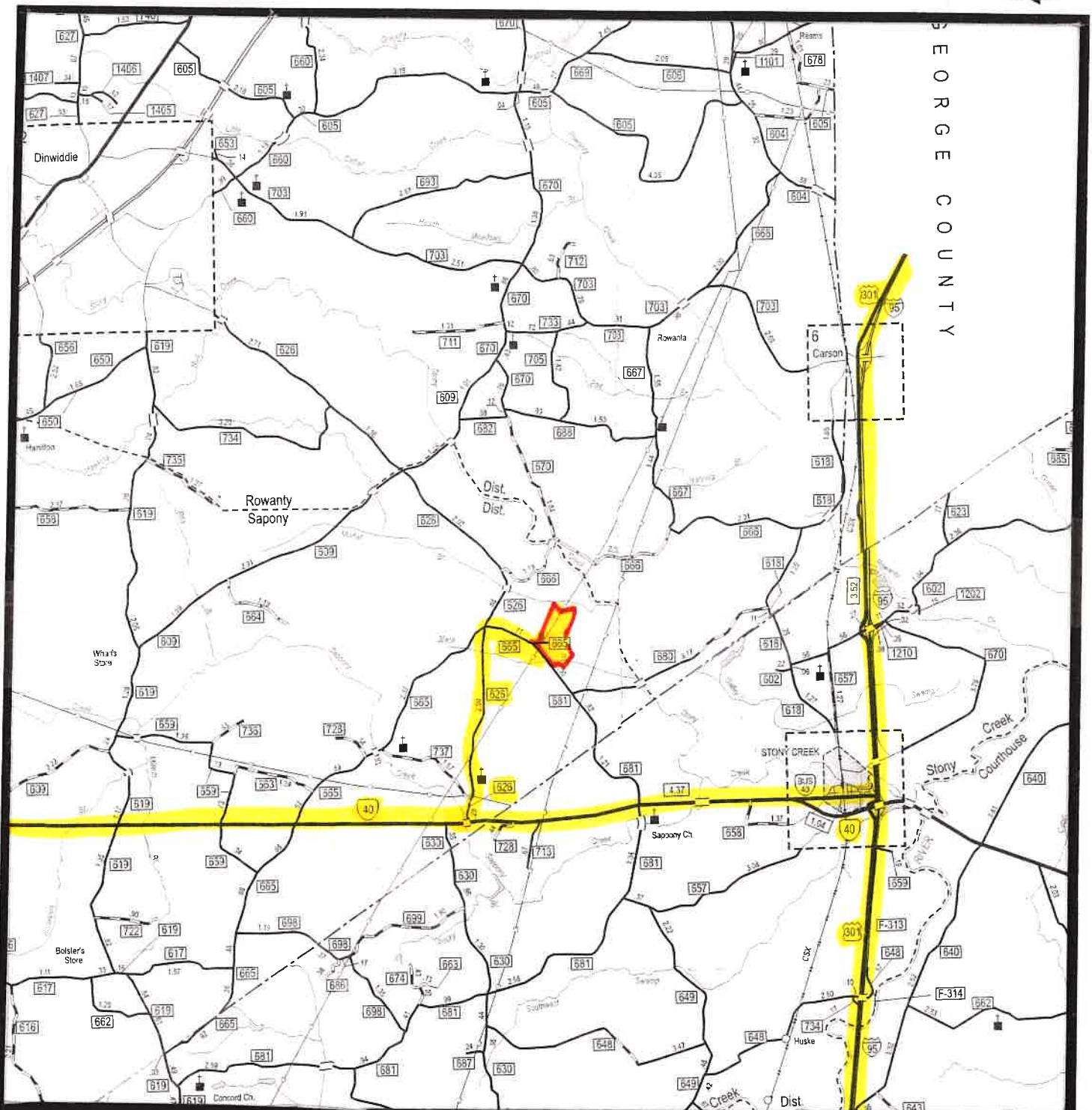
**VICINITY MAP**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1" = 2 miles

DWSGS

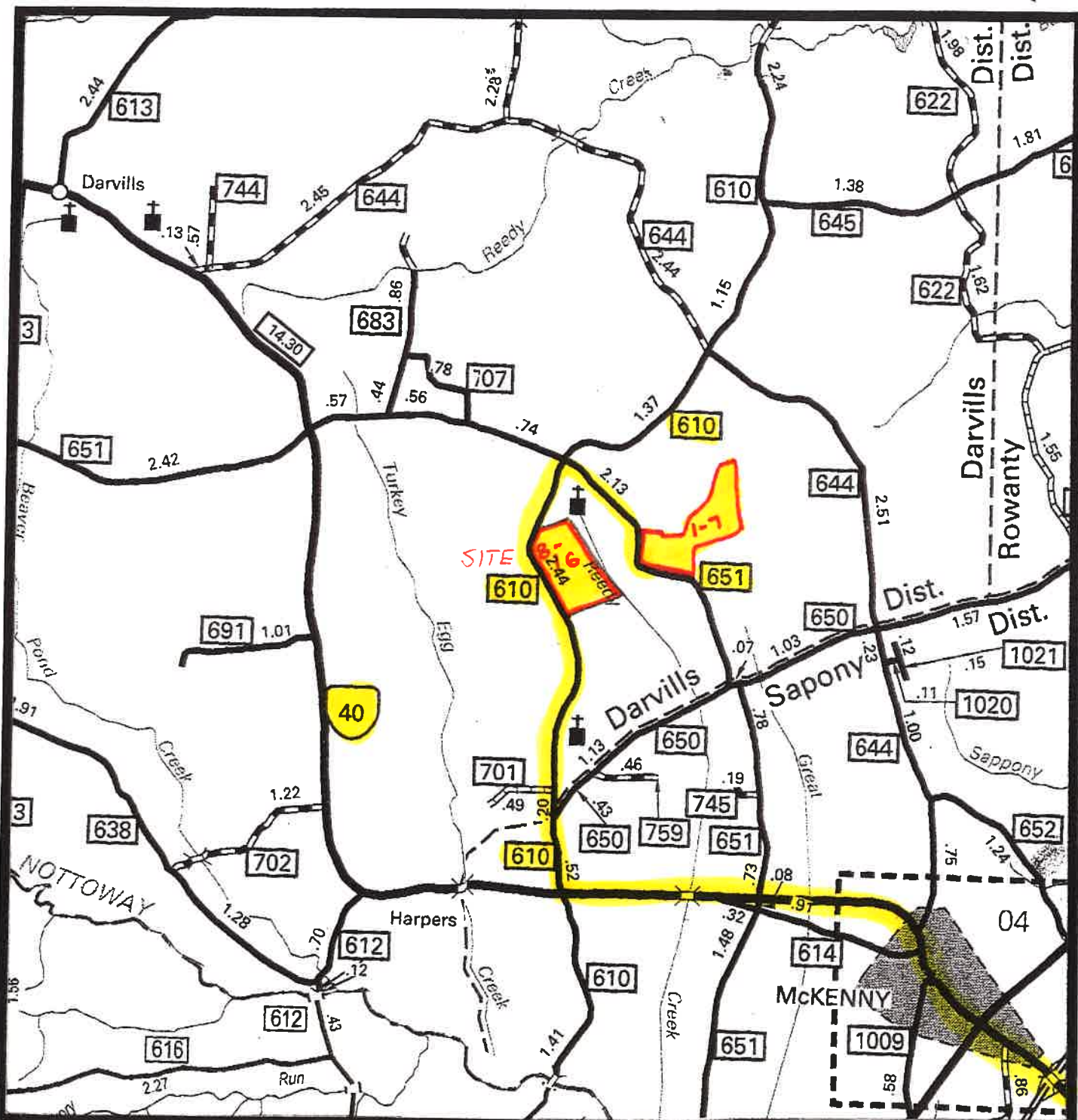
Truck Route marked  
in Yellow

**VICINITY MAP**



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 1 mile

DWSGS

7-23-20  
Truck Route  
Marked in  
Yellow

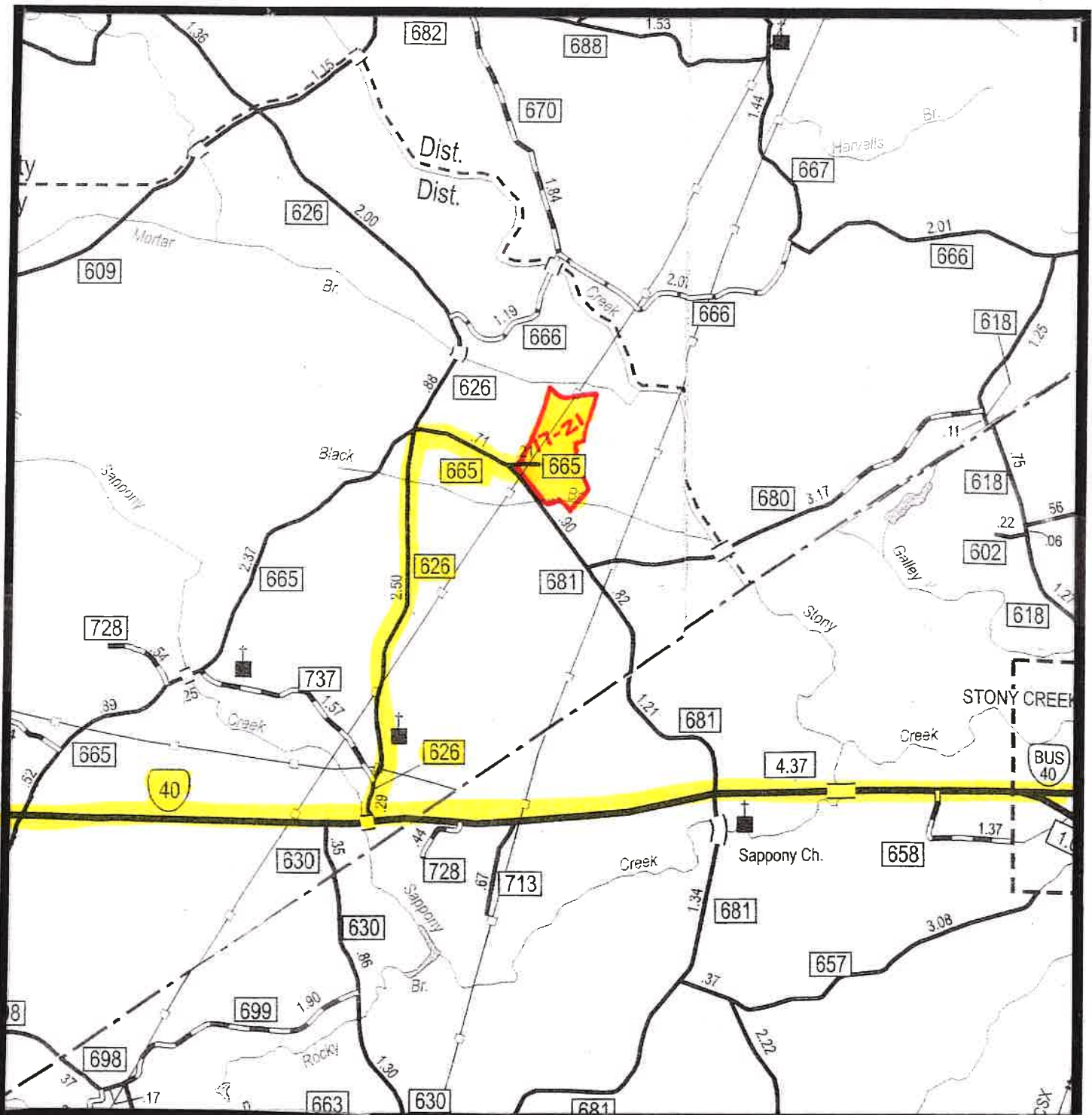
**VICINITY MAP**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



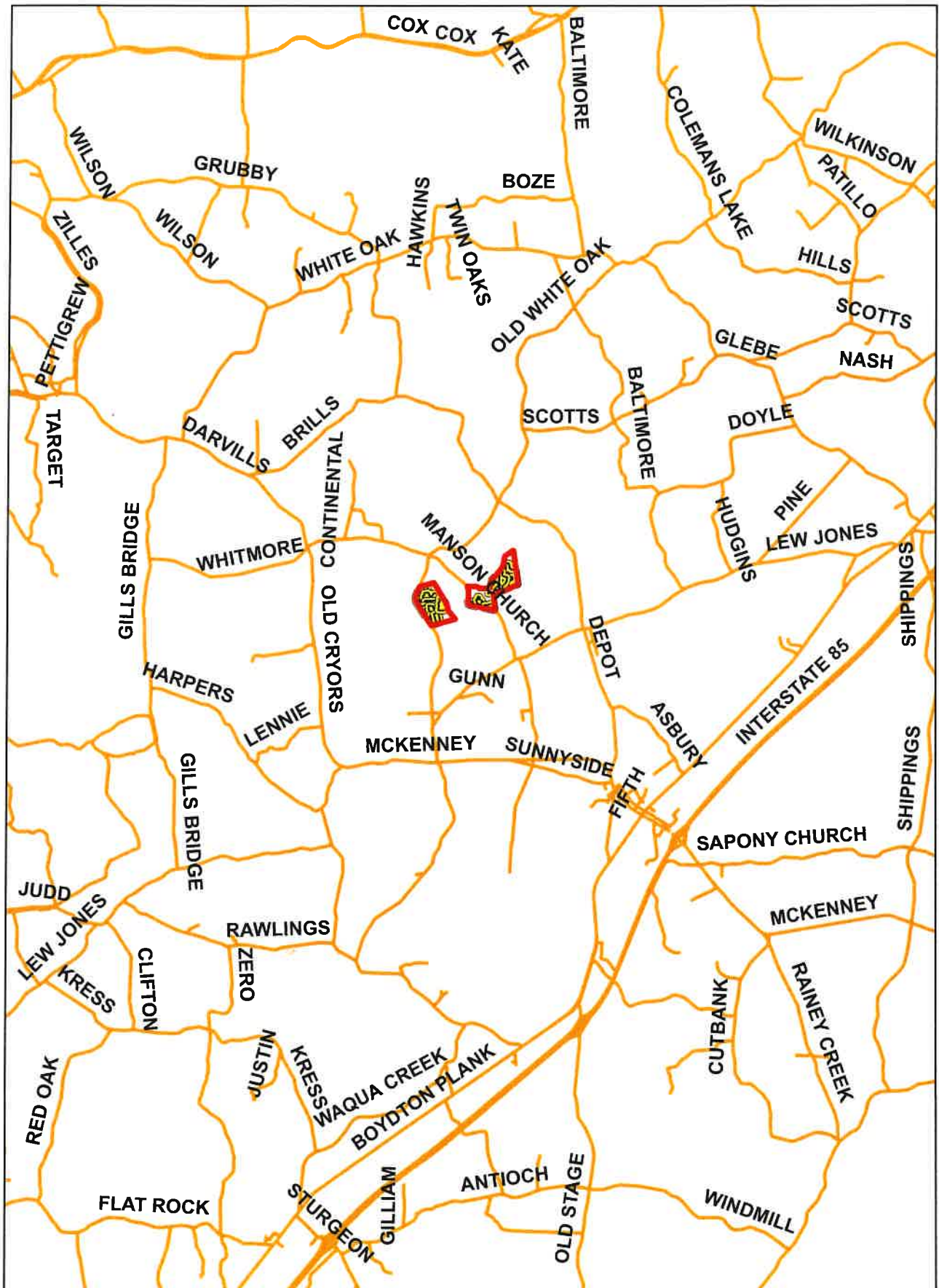
Scale: 1" = 1 mile

DWSGS

VICINITY MAP

Truck Route marked  
in Yellow





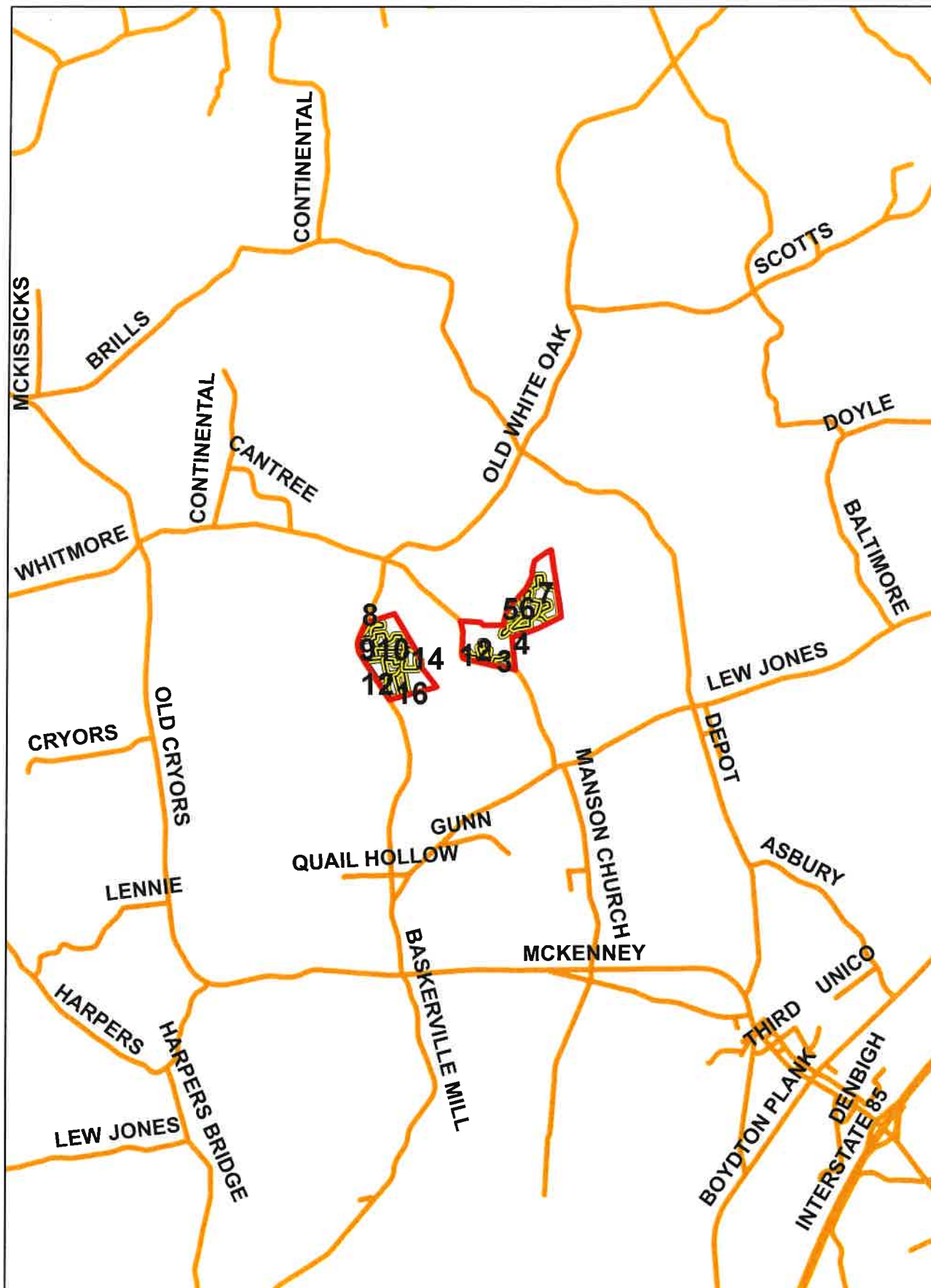
1-23-20

Vicinity Map

1 in = 2 miles





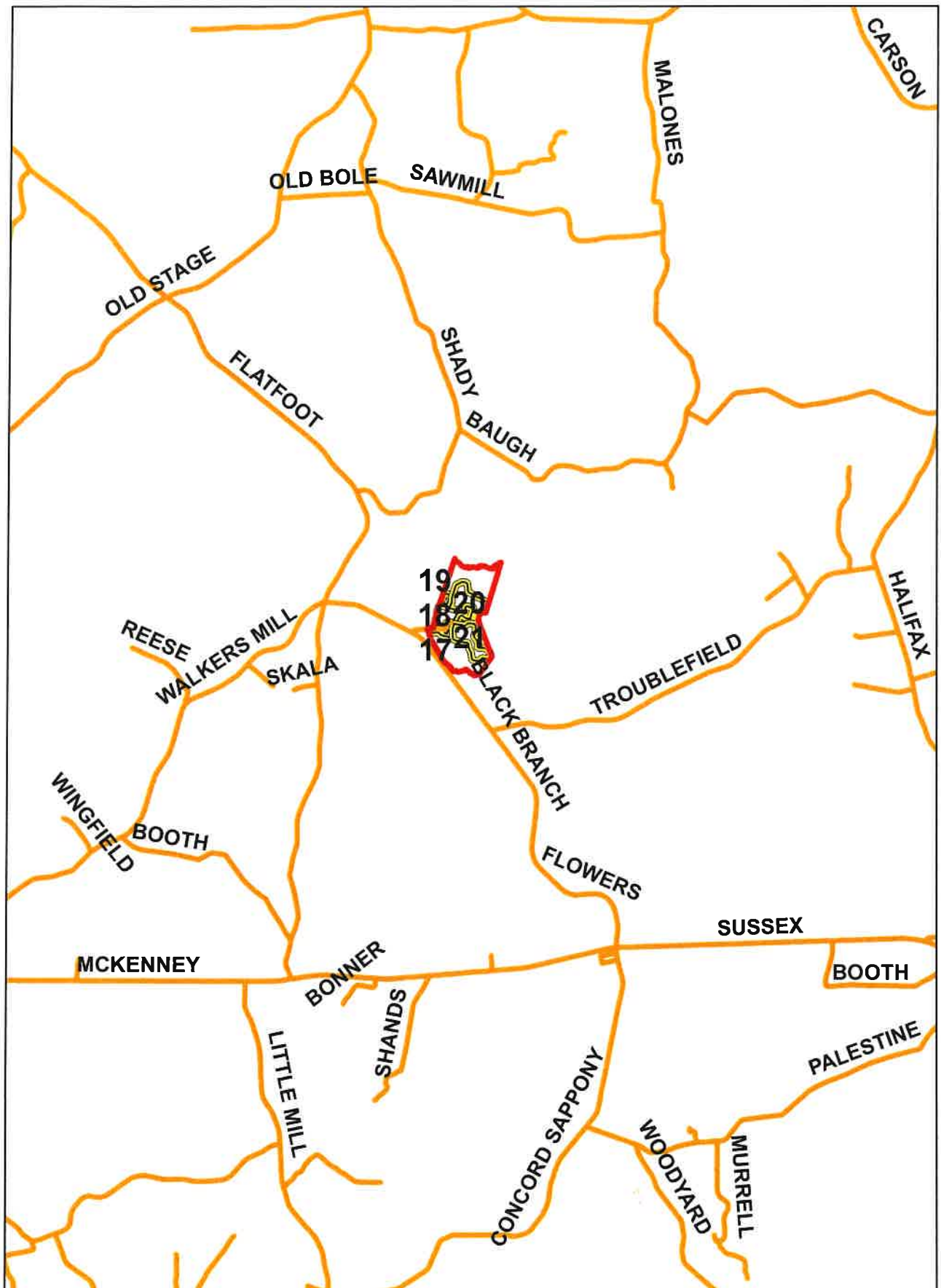


7-23-20

Vicinity Map

1 in = 1 miles



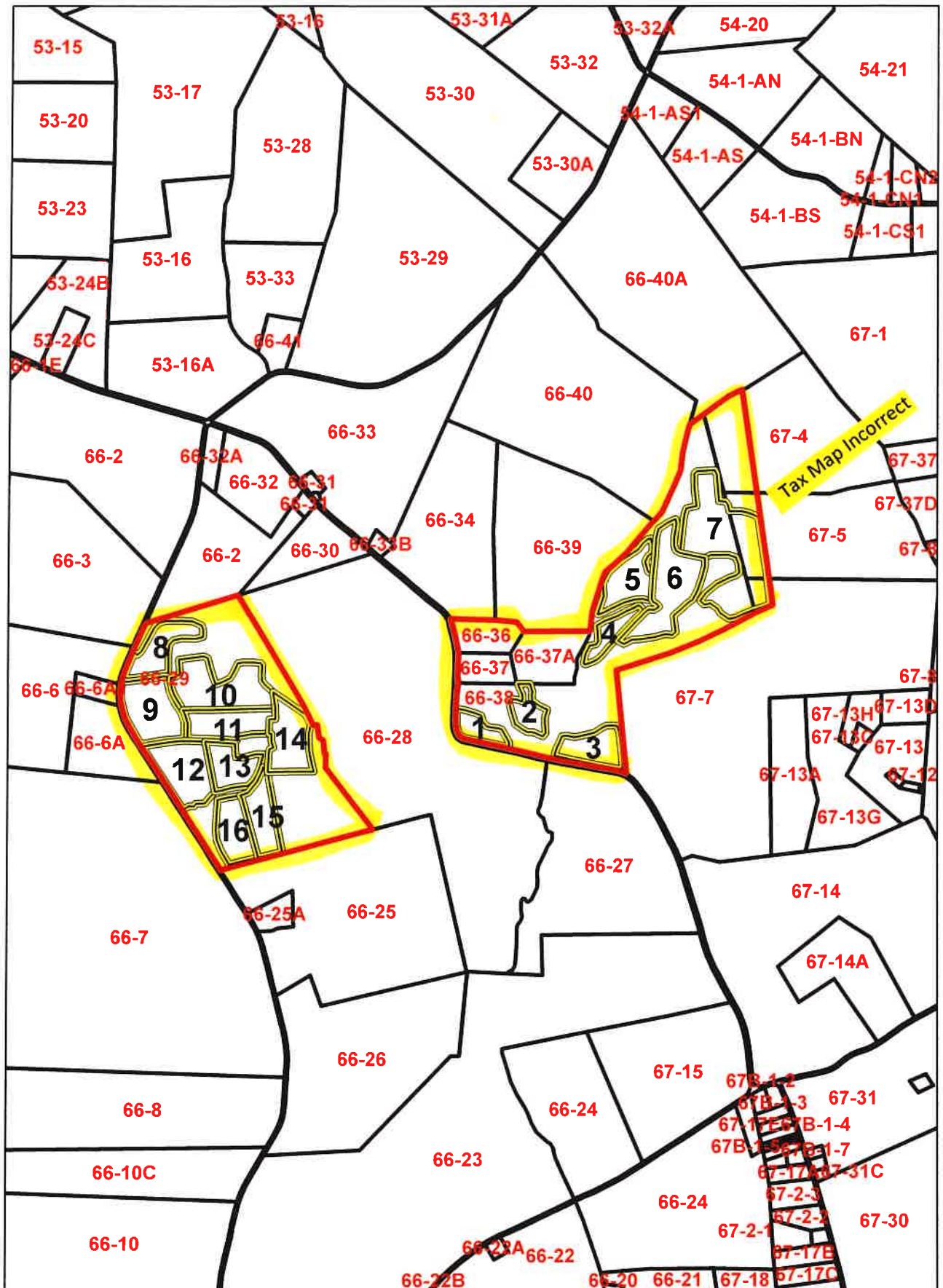


1-23-20

Vicinity Map

1 in = 1 miles

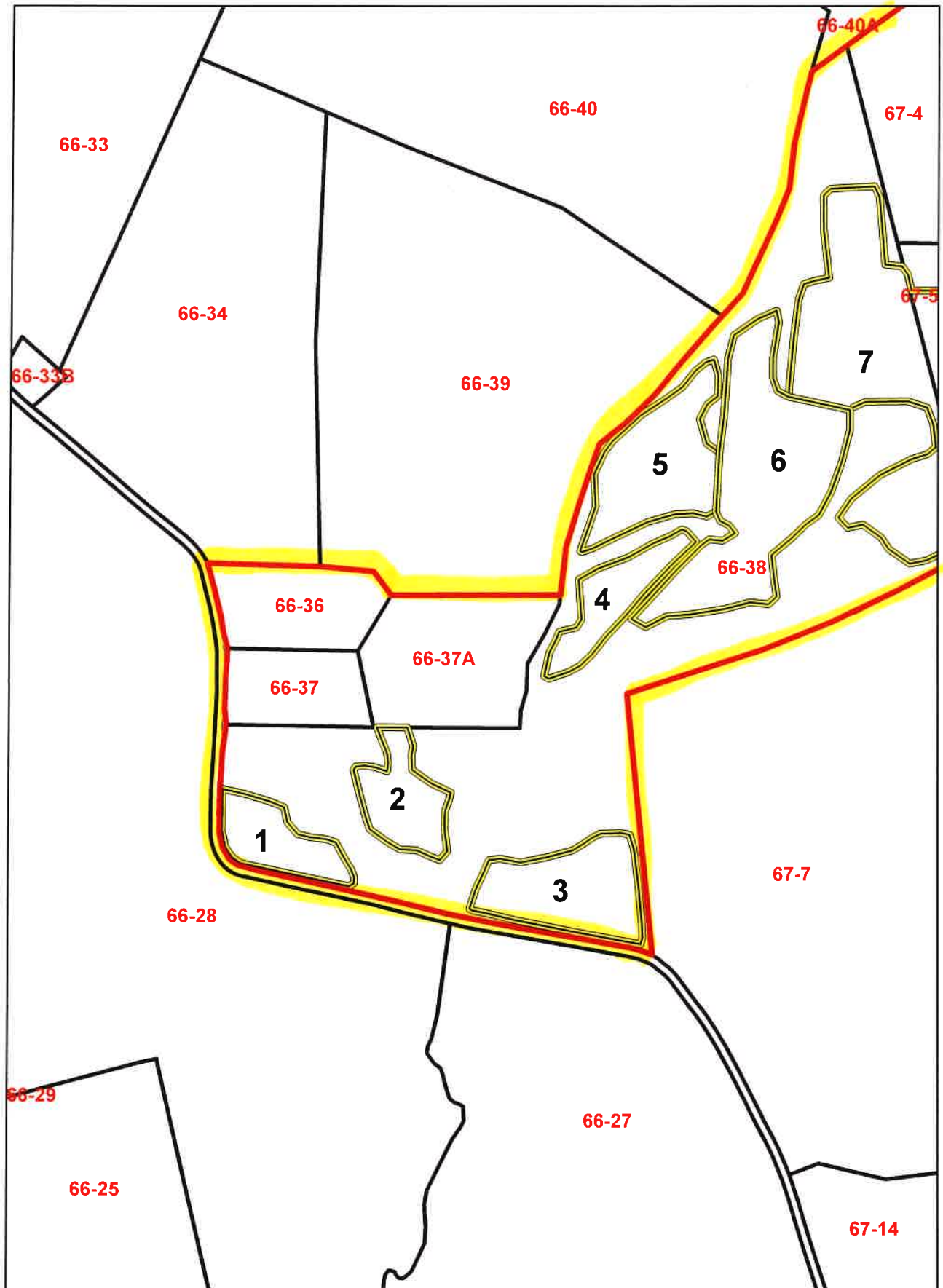




7-23-20

Tax Map

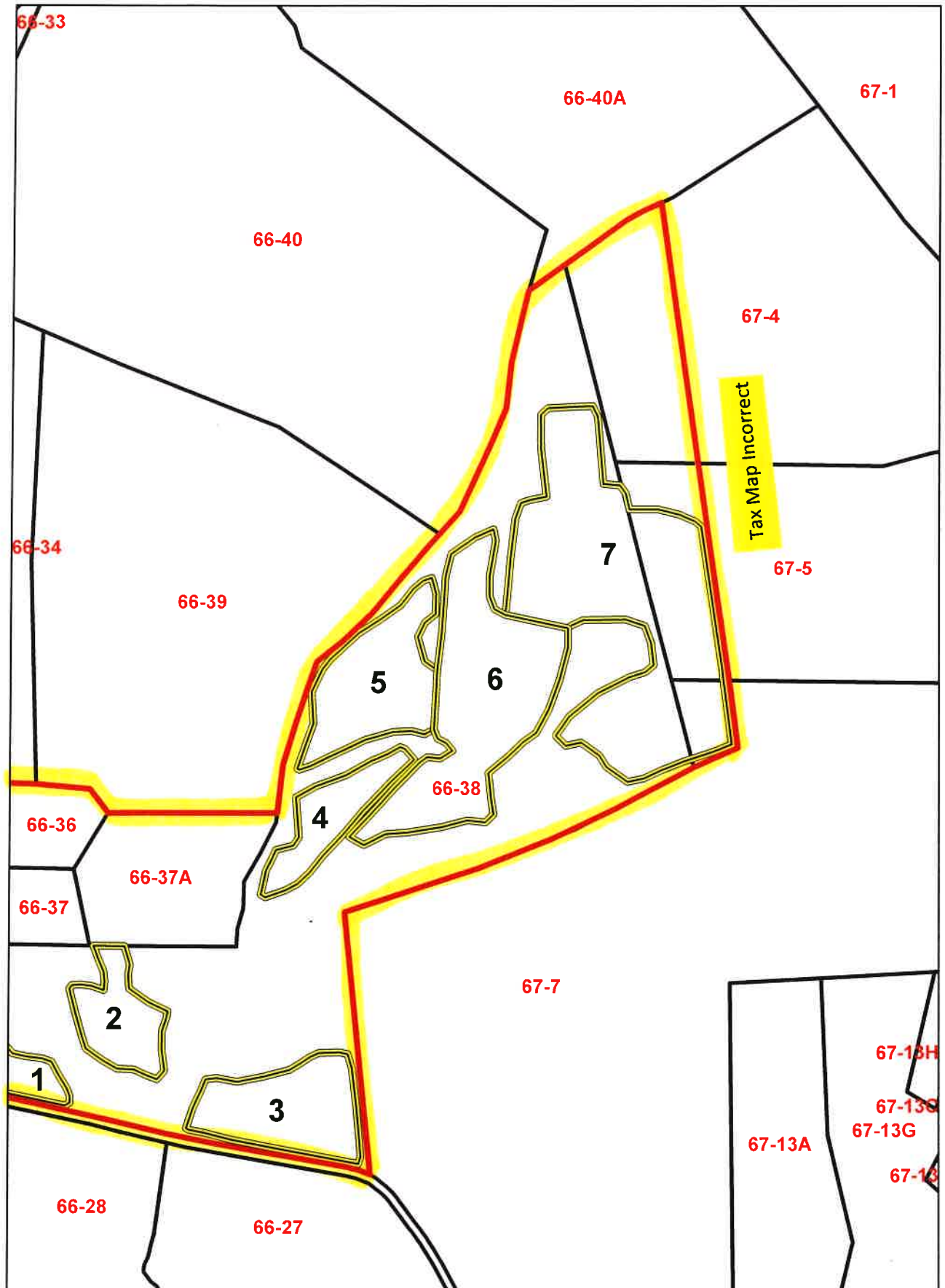
1 in = 1,667 feet



7-23-20

Tax Map

1 in = 660 feet

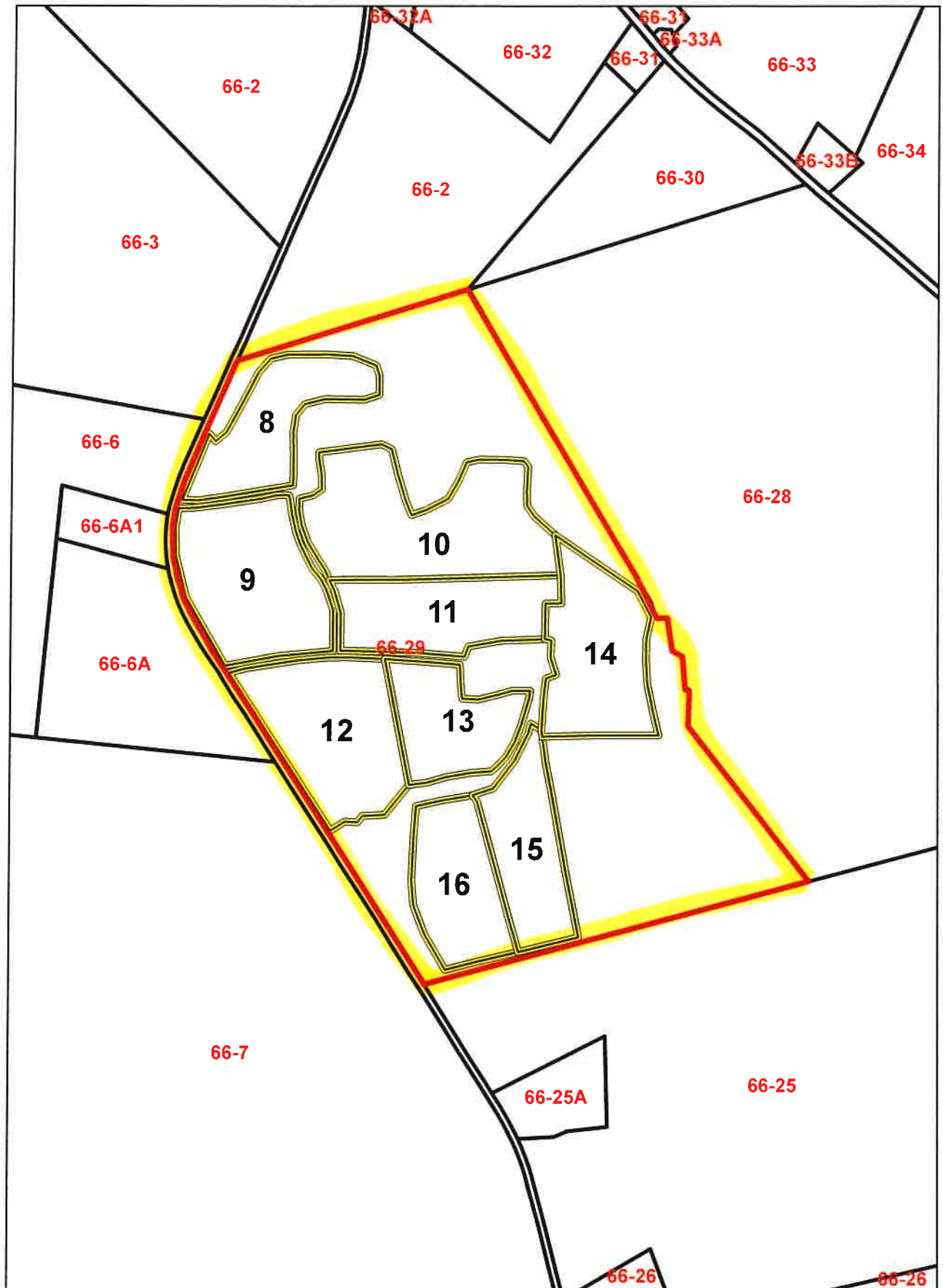


7-23-20

Tax Map

1 in = 660 feet





7-23-20

Tax Map

1 in = 660 feet



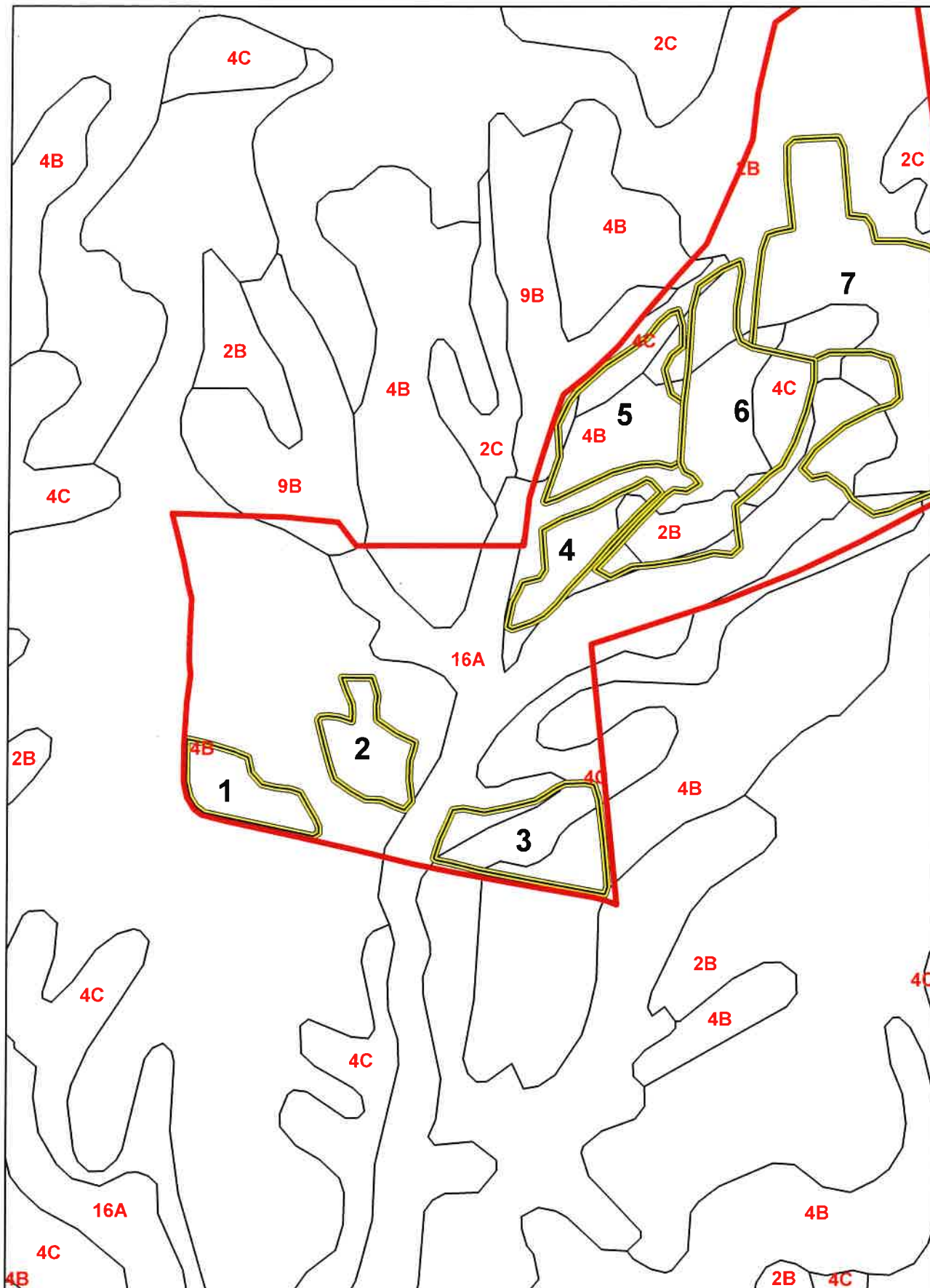
# ADJOINING LANDOWNERS

S. G. Sturt

## Dinwiddie

Tax Map	Parcel #	Owner Name(s)
66	2	James O Tucker
	3	Tiaa Timberland LLC C/O Greenwood Resources INC
	6	Tiaa Timberland LLC C/O Greenwood Resources INC
	6A	Margaret Baylor Sturt
	6A1	Adam D Webb
	7	Tiaa Timberland LLC C/O Greenwood Resources INC
	25	Sandra H Mason & Paul C Howard
	27	Tiaa Timberland LLC C/O Greenwood Resources INC
	28	JJ Jr & Barbra A & Eugene R & Brenda R Sturt
	30	Daniel F Tucker
	37	Margaret Baylor Sturt
	37A	Margaret Baylor Sturt
	39	JJ Jr & Barbra A & Eugene R & Brenda R Sturt
	40	JJ Jr & Barbra A & Eugene R & Brenda R Sturt
	40A	JJ Jr & Barbra A & Eugene R & Brenda R Sturt
67	4	Tiaa Timberland LLC C/O Greenwood Resources INC
	5	Tiaa Timberland LLC C/O Greenwood Resources INC
	7	Tiaa Timberland LLC C/O Greenwood Resources INC
86	17	John H. Clements Revocable Trust Agreement Trustees
	23	Don H. Marsh II
	27B	Sylvester Jr. or Jean Sharpe
	27C	Wiggins Gwendolyn Booth & Augustus Muriel Booth
	27G	Rainbows End Enterprises Inc. c/o Erin Bain
	27H	Ronald Wayne Jr. or Devon Church Purdie
	27I	Alton and Penelope Gizel Parham
	27K	Elvis L. Jenkins
	27M	Loretta B. Crump et. als.
	28A	Leonard M. Coleman
	28C	James Bradley or Sarah A. Goodwyn

Tax Map	Parcel #	Owner Name(s)
86	28D	James Bradley or Sarah A. Goodwyn
	35	James B. and Franklin G. Goodwyn
	36	Joseph Casey Jones
	36A	Thomas B. Harrison
	40	Robert Eugene Hoffler Jr.
	43	James O. Shands Life Estate

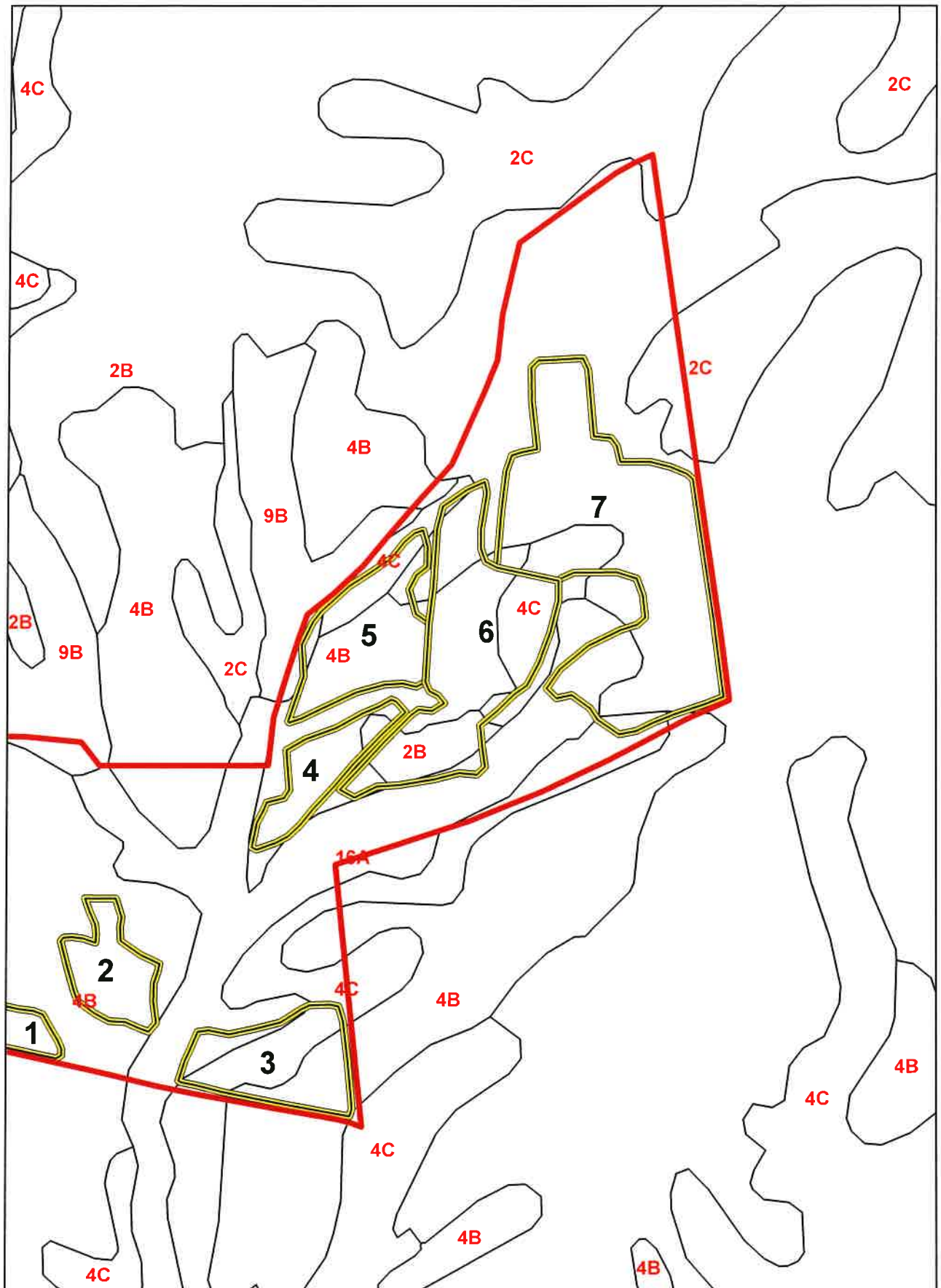


7-23-20  
Frequently  
Flooded

**Soil Map**

1 in = 660 feet

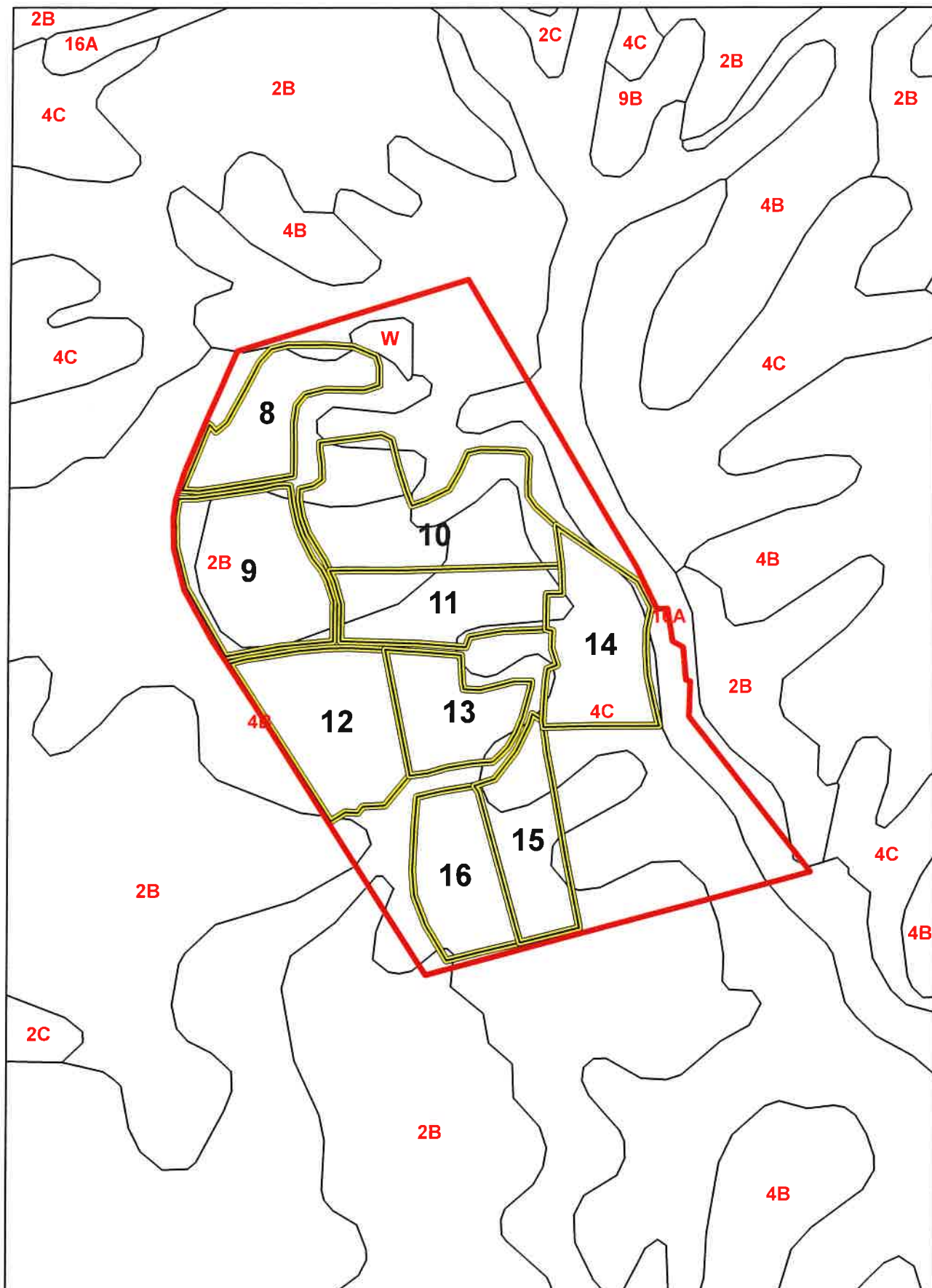




7-23-20  
Frequently  
Flooded

**Soil Map**

1 in = 660 feet



7-23-20  
Frequently  
Flooded

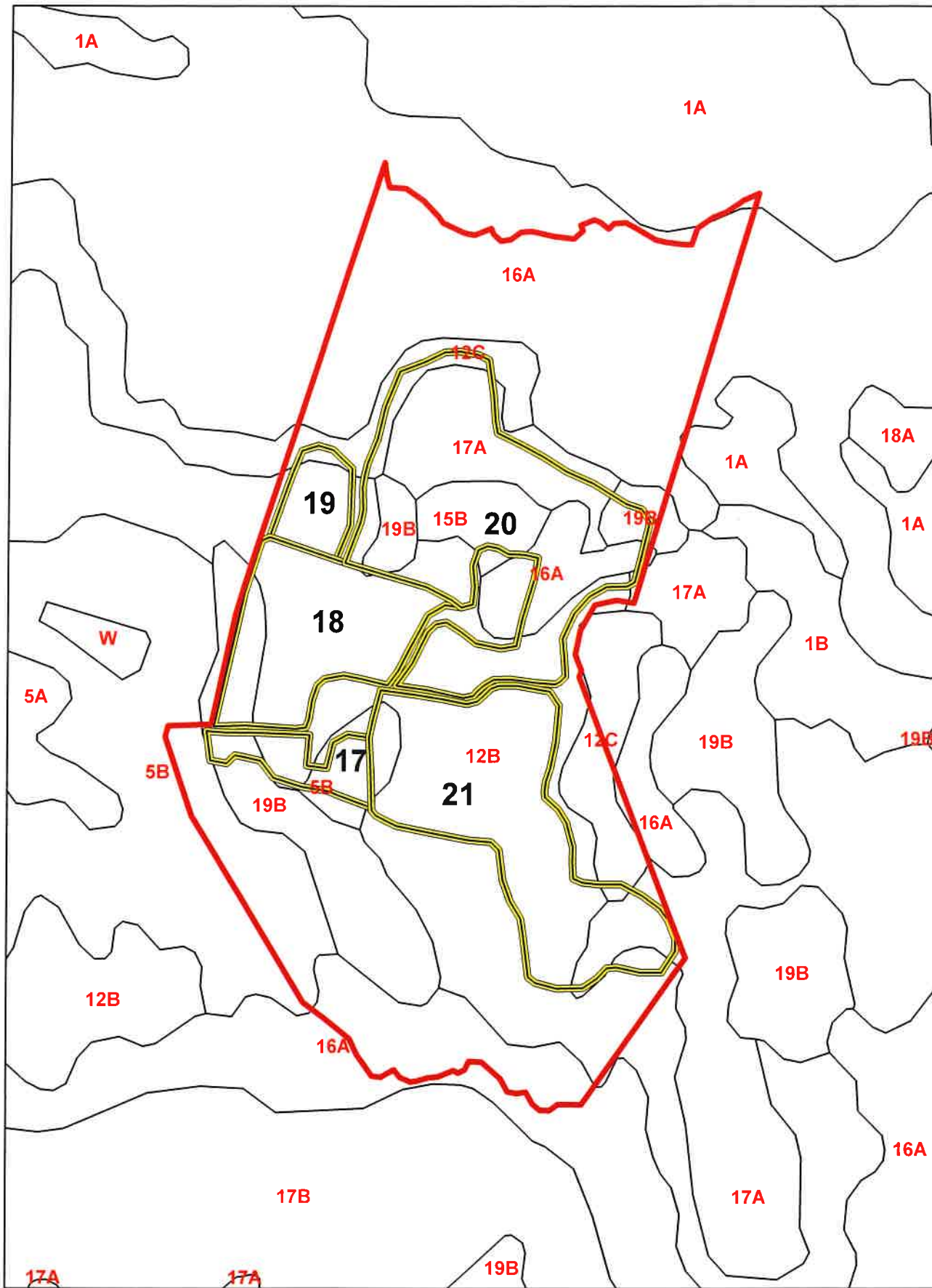
Soil Map

1 in = 660 feet



S. G. Sturt

DWSGS



7-23-20  
Frequently  
Flooded

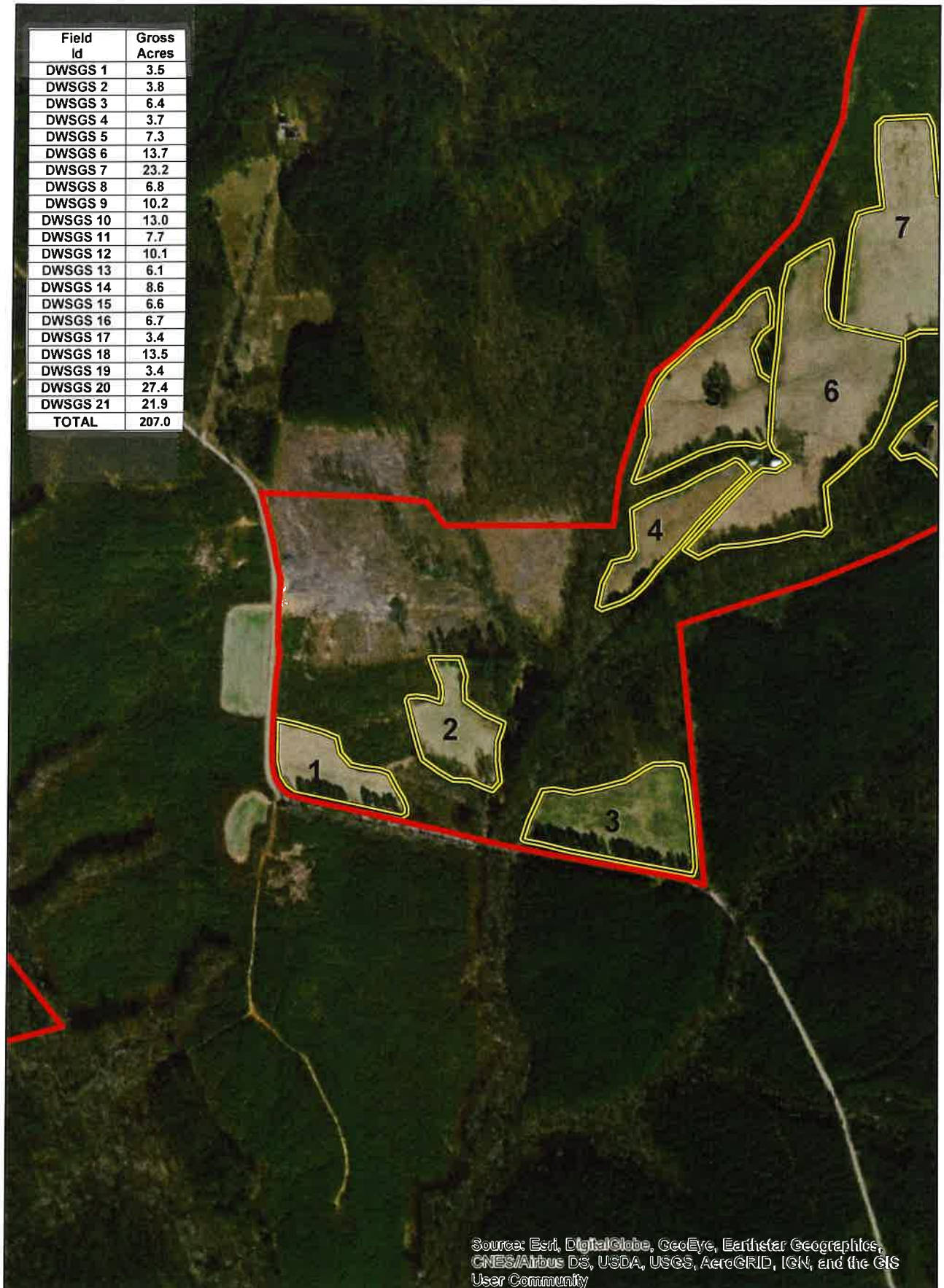
# Soil Map

1 in = 660 feet





Field Id	Gross Acres
DWGS 1	3.5
DWGS 2	3.8
DWGS 3	6.4
DWGS 4	3.7
DWGS 5	7.3
DWGS 6	13.7
DWGS 7	23.2
DWGS 8	6.8
DWGS 9	10.2
DWGS 10	13.0
DWGS 11	7.7
DWGS 12	10.1
DWGS 13	6.1
DWGS 14	8.6
DWGS 15	6.6
DWGS 16	6.7
DWGS 17	3.4
DWGS 18	13.5
DWGS 19	3.4
DWGS 20	27.4
DWGS 21	21.9
TOTAL	207.0



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



7-23-20

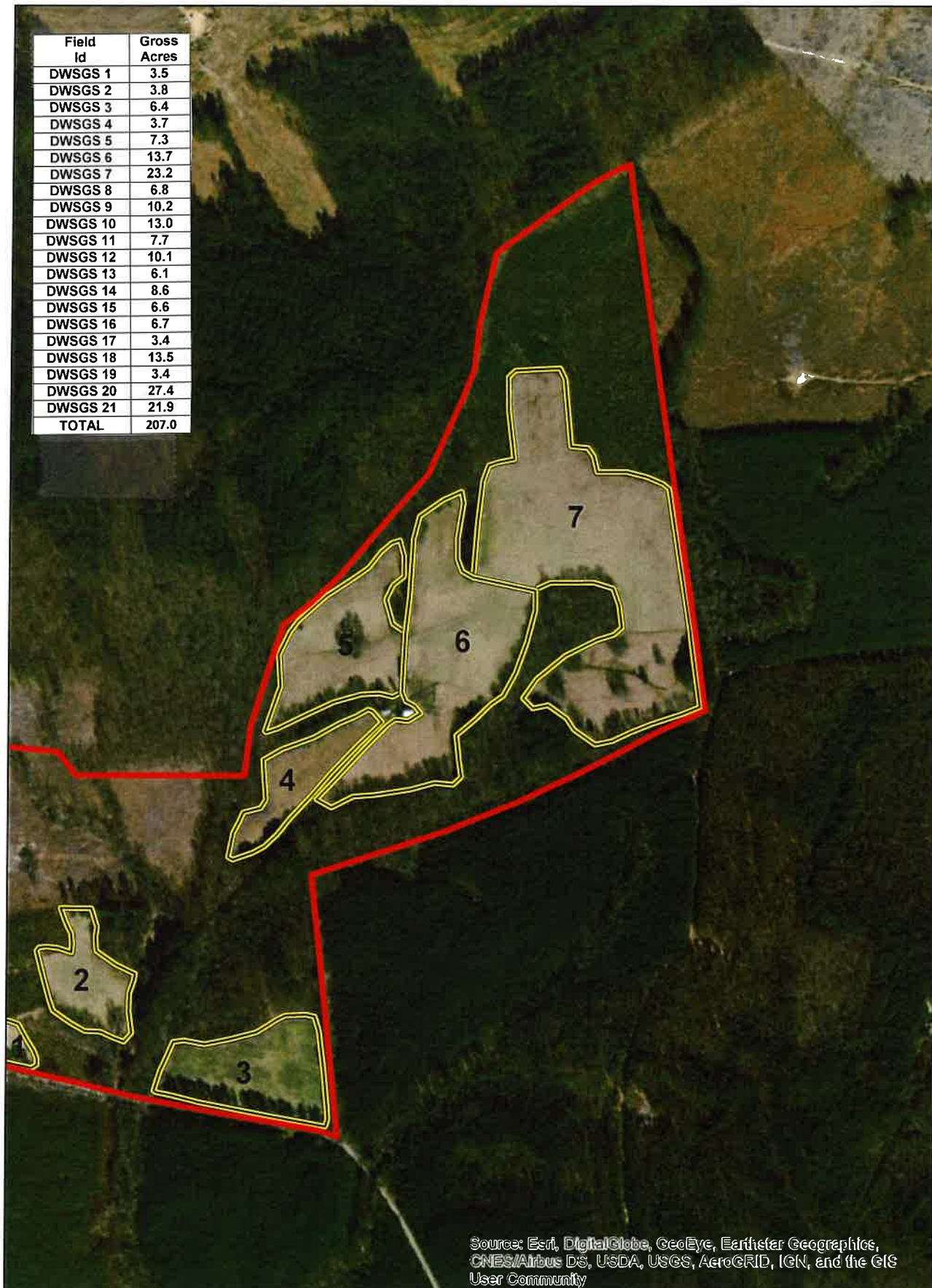
Aerial Map

1 in = 660 feet





Field Id	Gross Acres
DWSGS 1	3.5
DWSGS 2	3.8
DWSGS 3	6.4
DWSGS 4	3.7
DWSGS 5	7.3
DWSGS 6	13.7
DWSGS 7	23.2
DWSGS 8	6.8
DWSGS 9	10.2
DWSGS 10	13.0
DWSGS 11	7.7
DWSGS 12	10.1
DWSGS 13	6.1
DWSGS 14	8.6
DWSGS 15	6.6
DWSGS 16	6.7
DWSGS 17	3.4
DWSGS 18	13.5
DWSGS 19	3.4
DWSGS 20	27.4
DWSGS 21	21.9
TOTAL	207.0



7-23-20

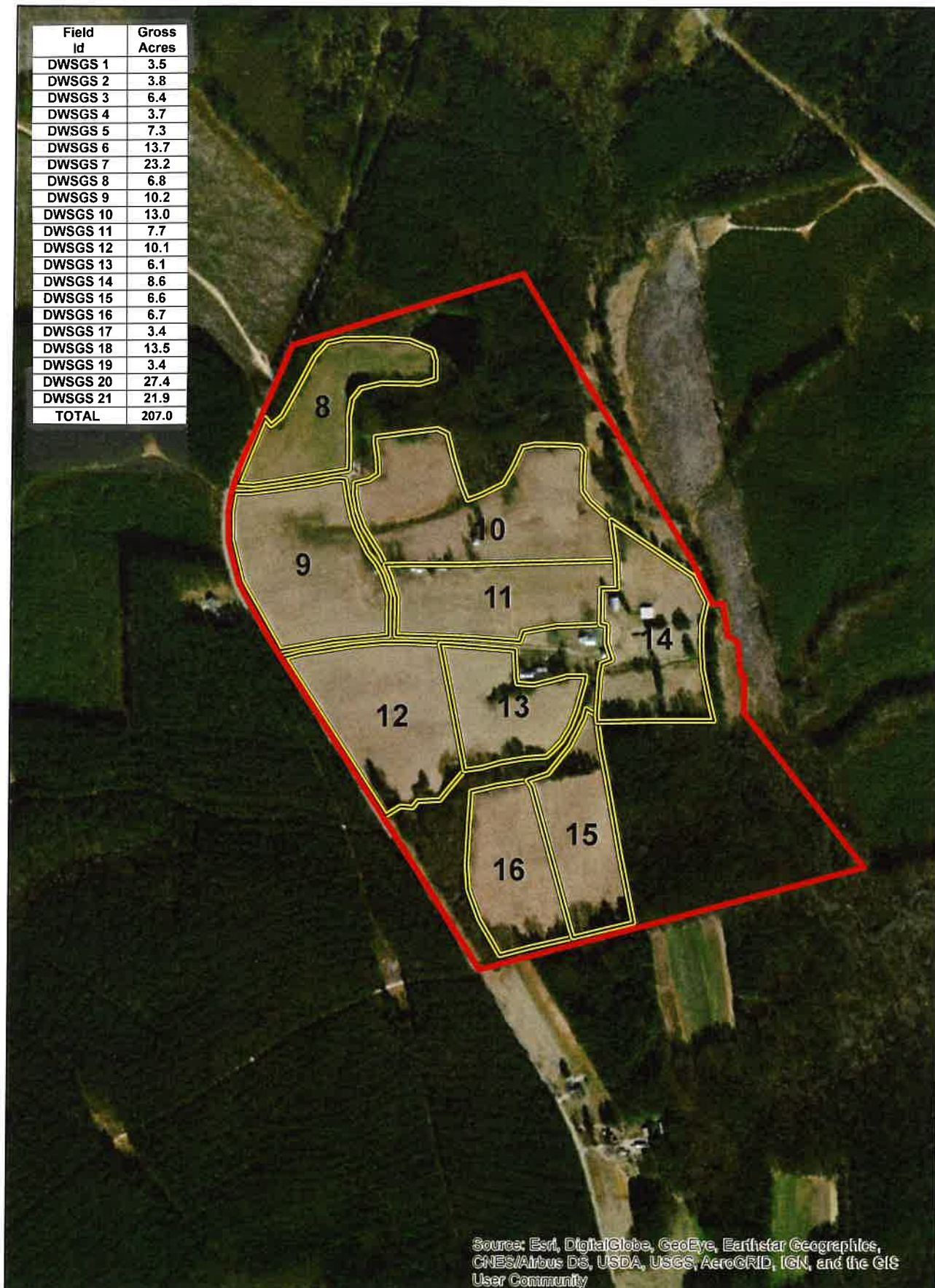
Aerial Map

1 in = 660 feet





Field Id	Gross Acres
DWSGS 1	3.5
DWSGS 2	3.8
DWSGS 3	6.4
DWSGS 4	3.7
DWSGS 5	7.3
DWSGS 6	13.7
DWSGS 7	23.2
DWSGS 8	6.8
DWSGS 9	10.2
DWSGS 10	13.0
DWSGS 11	7.7
DWSGS 12	10.1
DWSGS 13	6.1
DWSGS 14	8.6
DWSGS 15	6.6
DWSGS 16	6.7
DWSGS 17	3.4
DWSGS 18	13.5
DWSGS 19	3.4
DWSGS 20	27.4
DWSGS 21	21.9
TOTAL	207.0



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



7-23-20

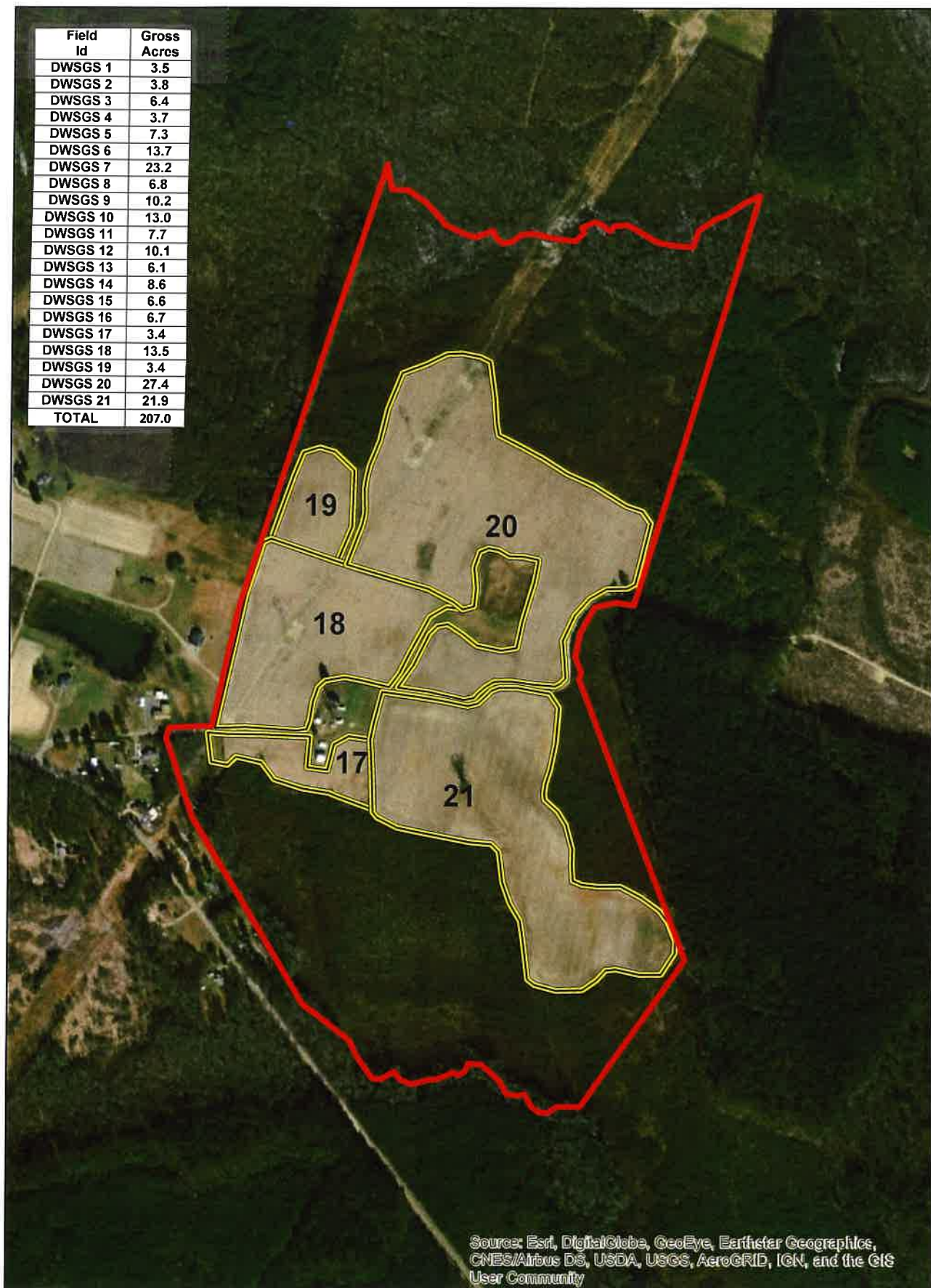
Aerial Map

1 in = 660 feet





Field Id	Gross Acres
DWSGS 1	3.5
DWSGS 2	3.8
DWSGS 3	6.4
DWSGS 4	3.7
DWSGS 5	7.3
DWSGS 6	13.7
DWSGS 7	23.2
DWSGS 8	6.8
DWSGS 9	10.2
DWSGS 10	13.0
DWSGS 11	7.7
DWSGS 12	10.1
DWSGS 13	6.1
DWSGS 14	8.6
DWSGS 15	6.6
DWSGS 16	6.7
DWSGS 17	3.4
DWSGS 18	13.5
DWSGS 19	3.4
DWSGS 20	27.4
DWSGS 21	21.9
TOTAL	207.0



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



7-23-20

Aerial Map

1 in = 660 feet





United States  
Department of  
Agriculture

Dinwiddie County, Virginia

Tract 437

Farm 581



2020 Program Year

Map Created December 05, 2019

### Common Land Unit

- Non-Cropland
- Cropland
- rcL\_va053
- Tract Boundary

### Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 63.45 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).





United States  
Department of  
Agriculture

## Dinwiddie County, Virginia

Farm 581

Tract 474

2020 Program Year

Map Created June 03, 2020

### Common Land Unit

- Non-Cropland
- Cropland
- Tract Boundary















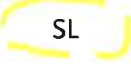

### Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 82.74 acres

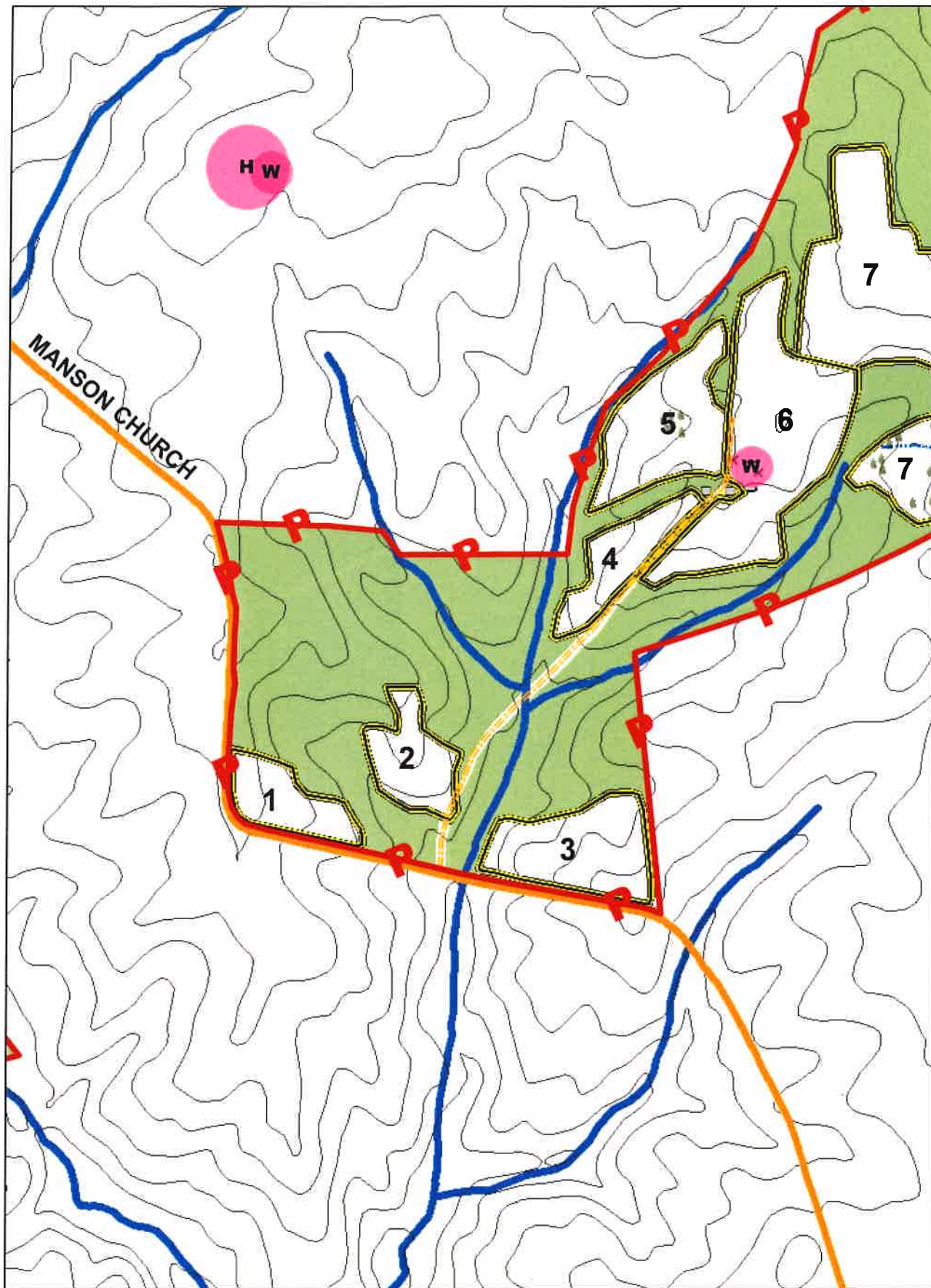
United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

# Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

\*Buffer can be reduced or waived upon written consent from landowner.

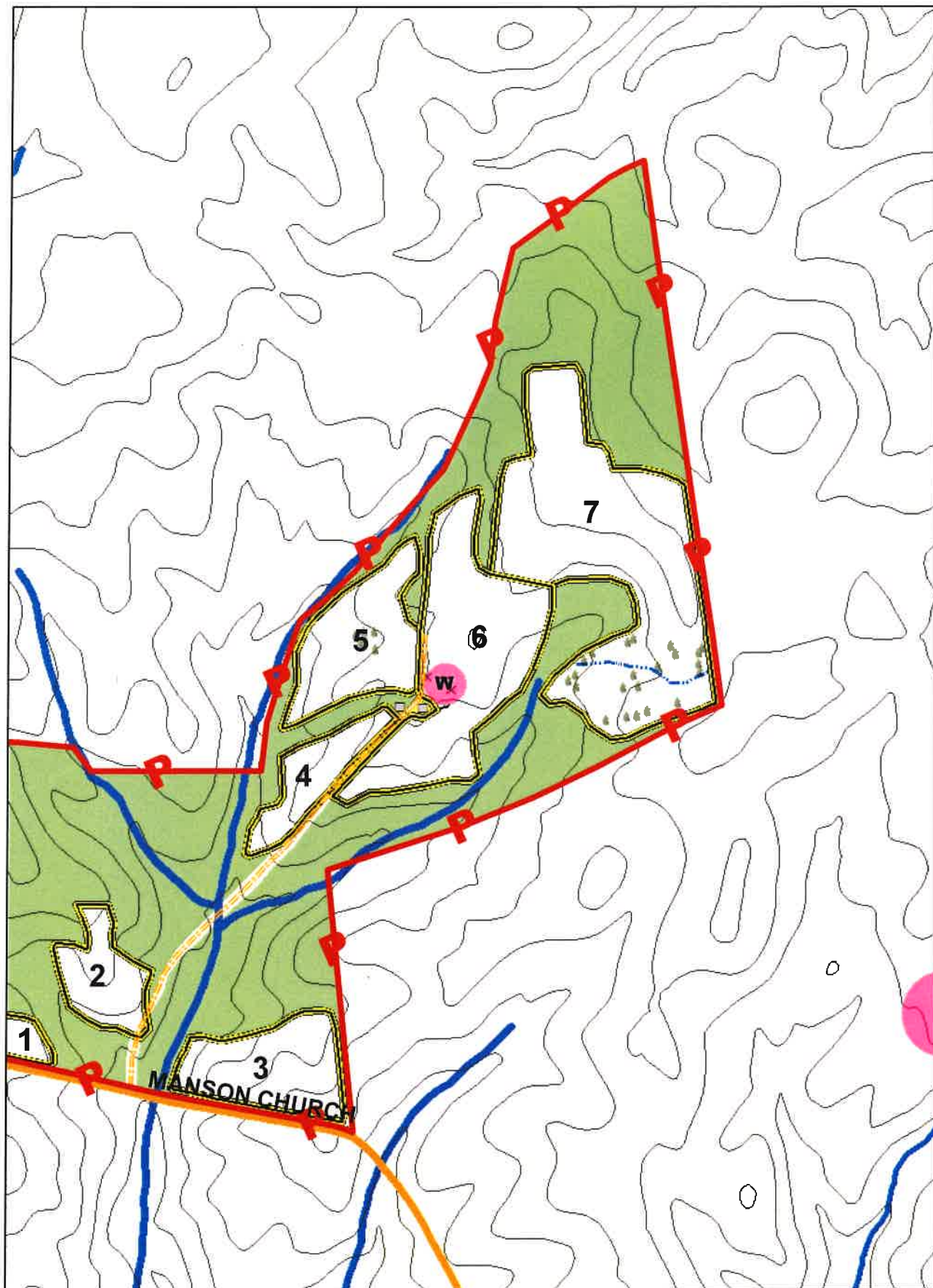




1-23-20

Site Map

1 in = 660 feet

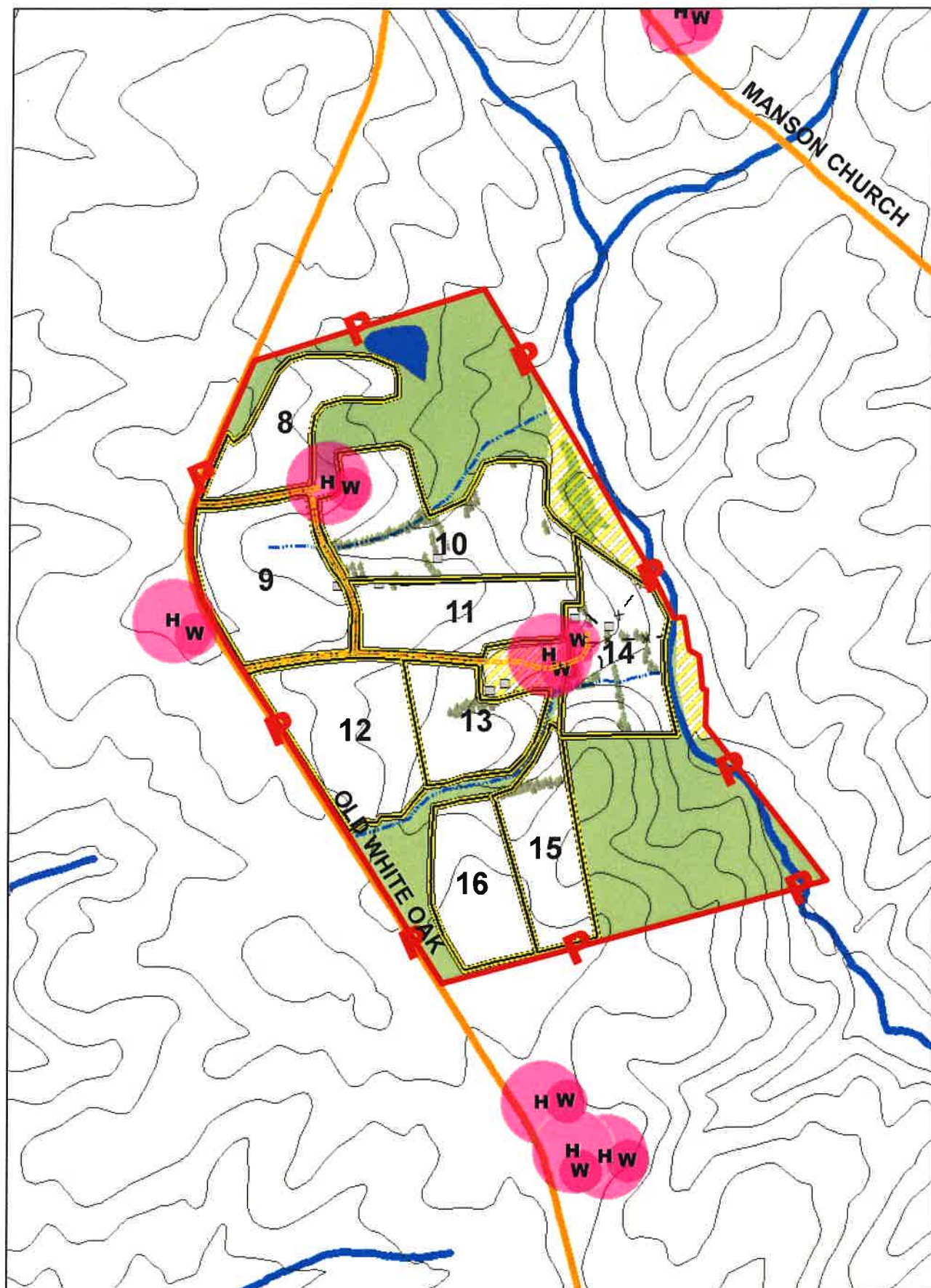


1-23-20

Site Map

1 in = 660 feet

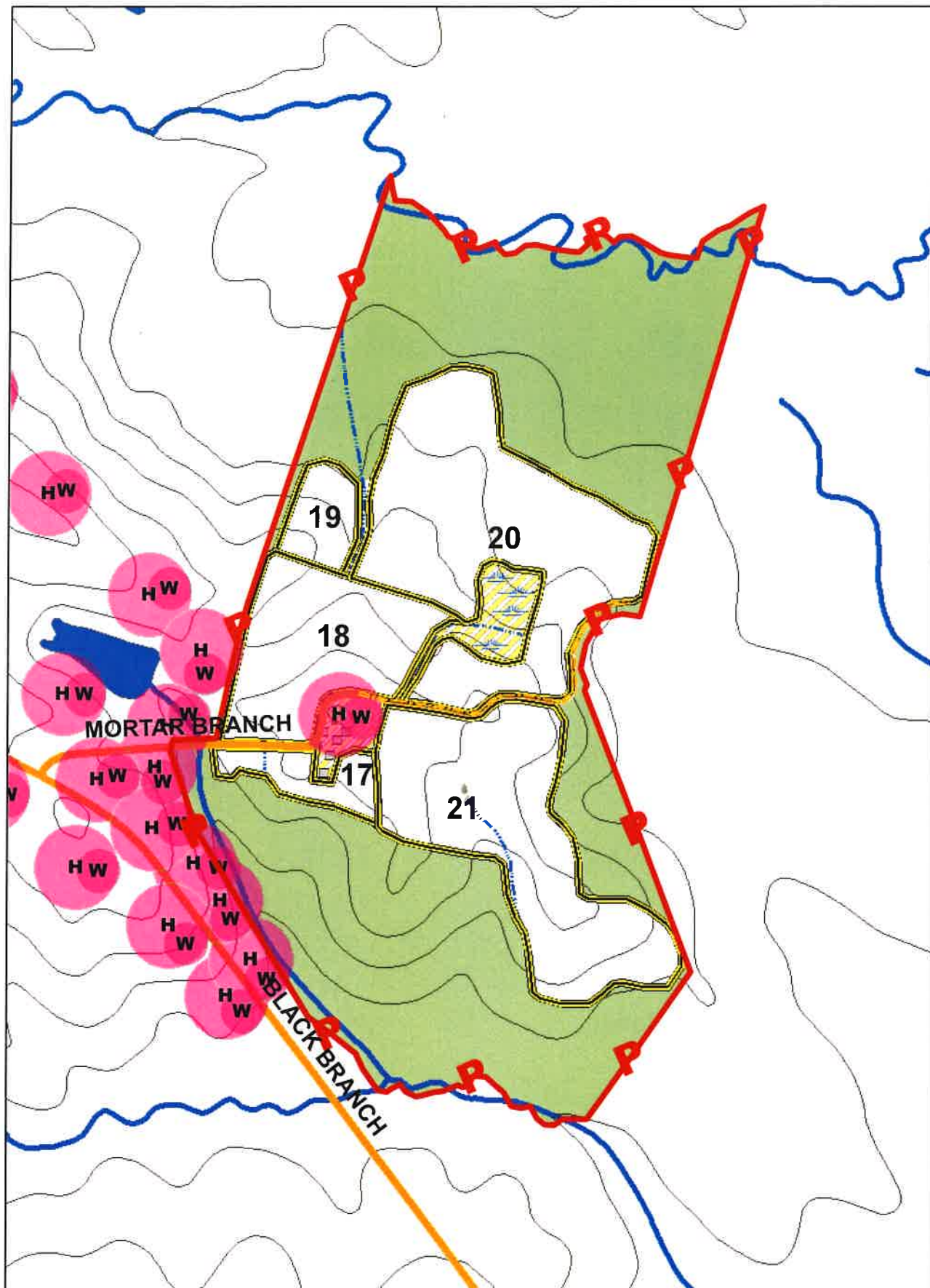




7-23-20

Site Map

1 in = 660 feet

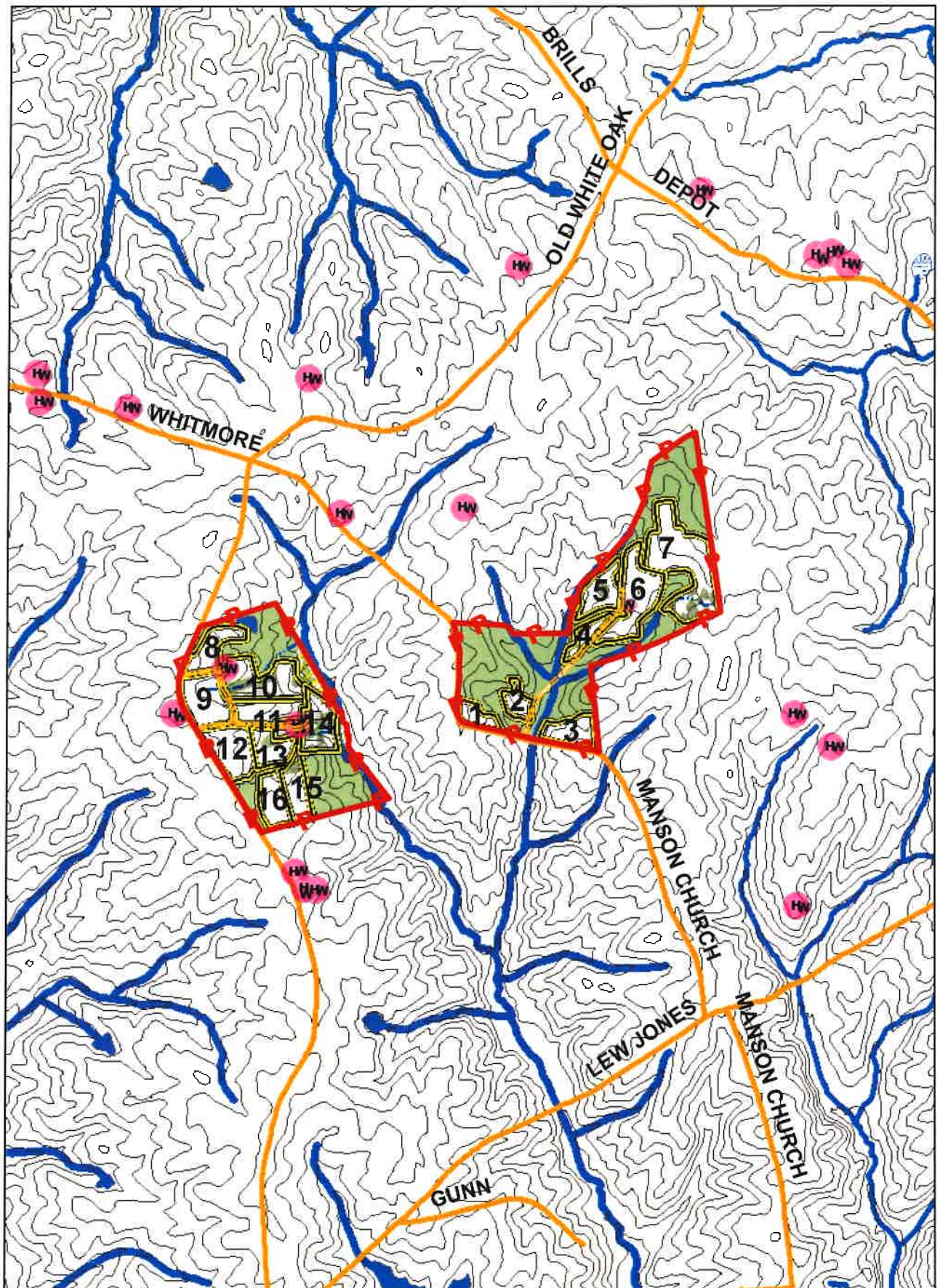


7-23-20

Site Map

1 in = 660 feet



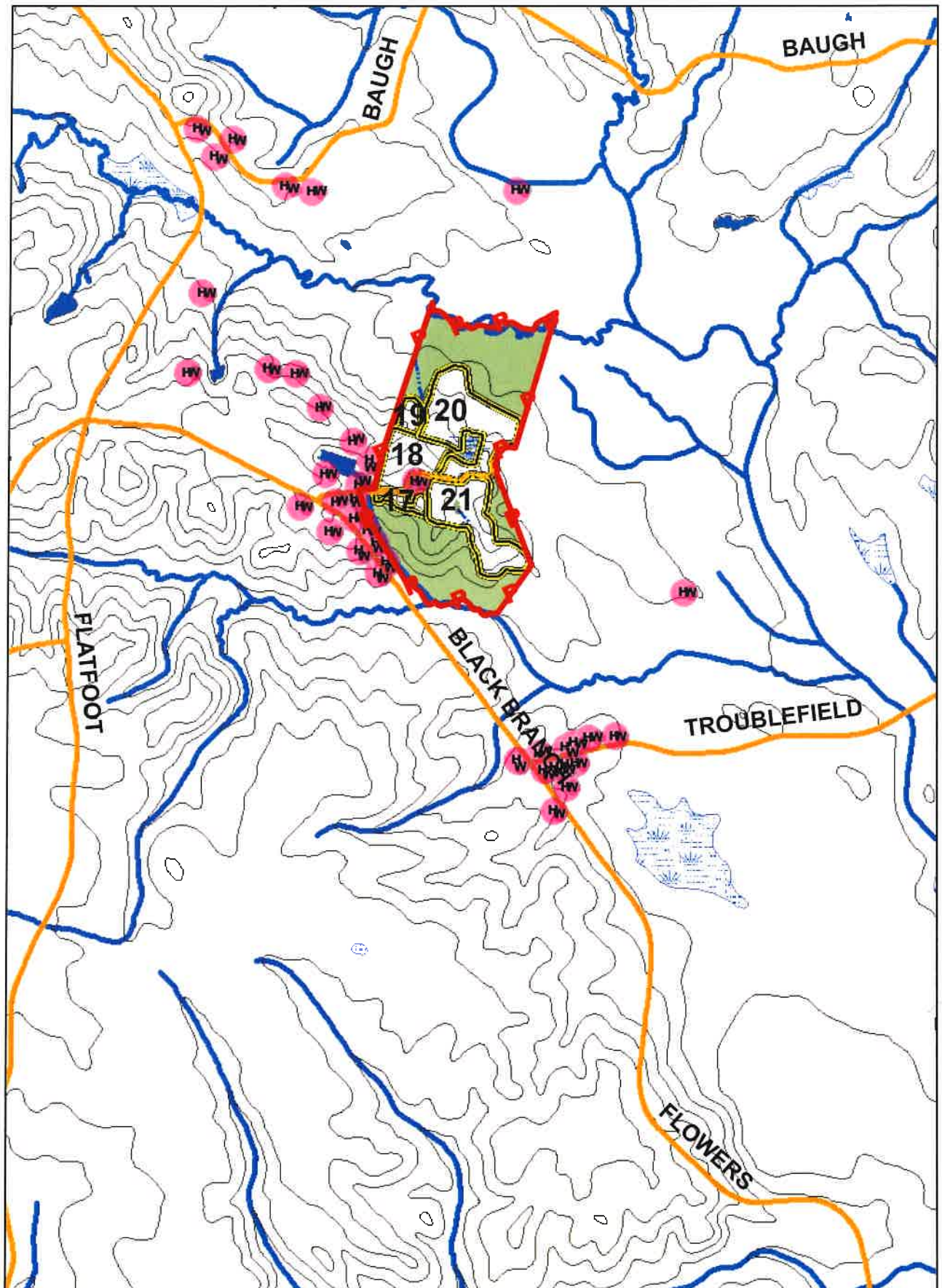


7-23-20

Topographic Map

1 in = 2,000 feet





7-23-20

Topographic Map

1 in = 2,000 feet